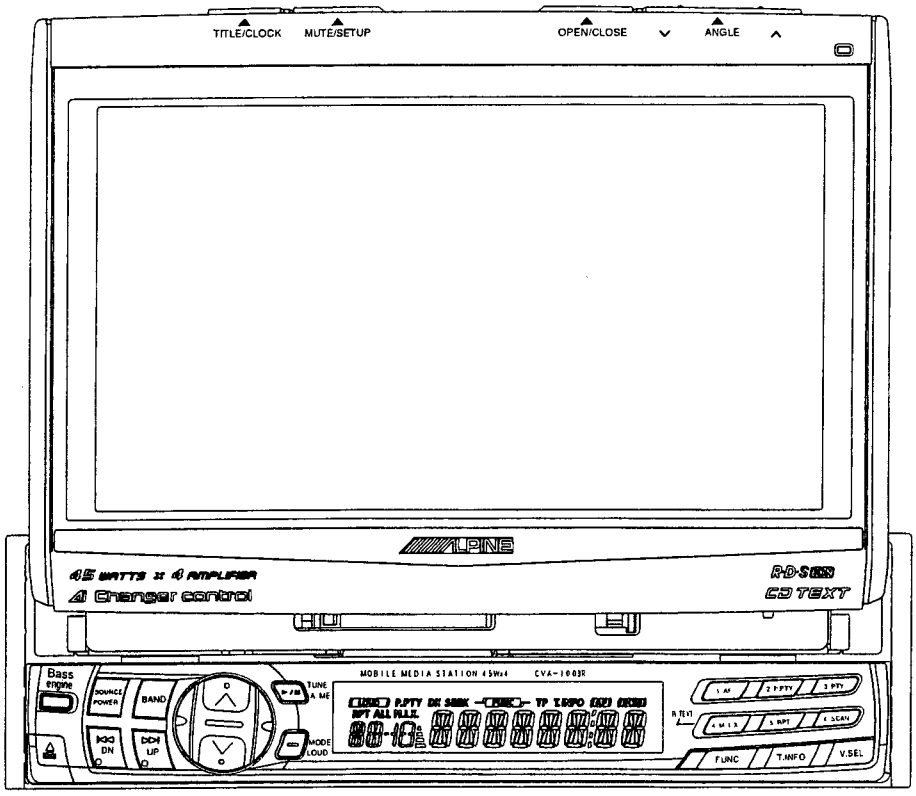
ALPINE

SERVICE MANUAL

Mobile Multimedia Station

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.



CVA-1003R

<Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.

●The symbols indicate caution is needed to prevent injuries and damage to property.

The symbols and their meanings follow.

⚠ Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
⚠ Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.

●The following symbols indicate two levels of cautions.

⚠	When you see this symbol, you have to be very careful.
❗	When you see this symbol, you have to follow the instructions there.

⚠ Warning

⚠ **Do not look squarely into the laser light coming from the pickup.** You may loose you sight.	❗ **Fuse Caution** Always use a designated fuse. Use of an incorrect fuse may result in a fire.

⚠ Caution

⚠ **Do not allow wiring to be caught in the screw/chassis.** If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	❗ **Battery Caution** Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
⚠ **High Temperature Caution** Touching the heat sink may cause severe burns.	❗ **Designated Parts Caution** Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
⚠ **Reverse Power Supply Connections or Misconnections Caution** Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	❗ **Wiring Caution** Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
⚠ **Soldering Caution** Hot solder from solder splash may cause severe burns.	❗ **Wear Gloves** Wear gloves to prevent electrical shocks or injury from the end face of the metal.

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NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

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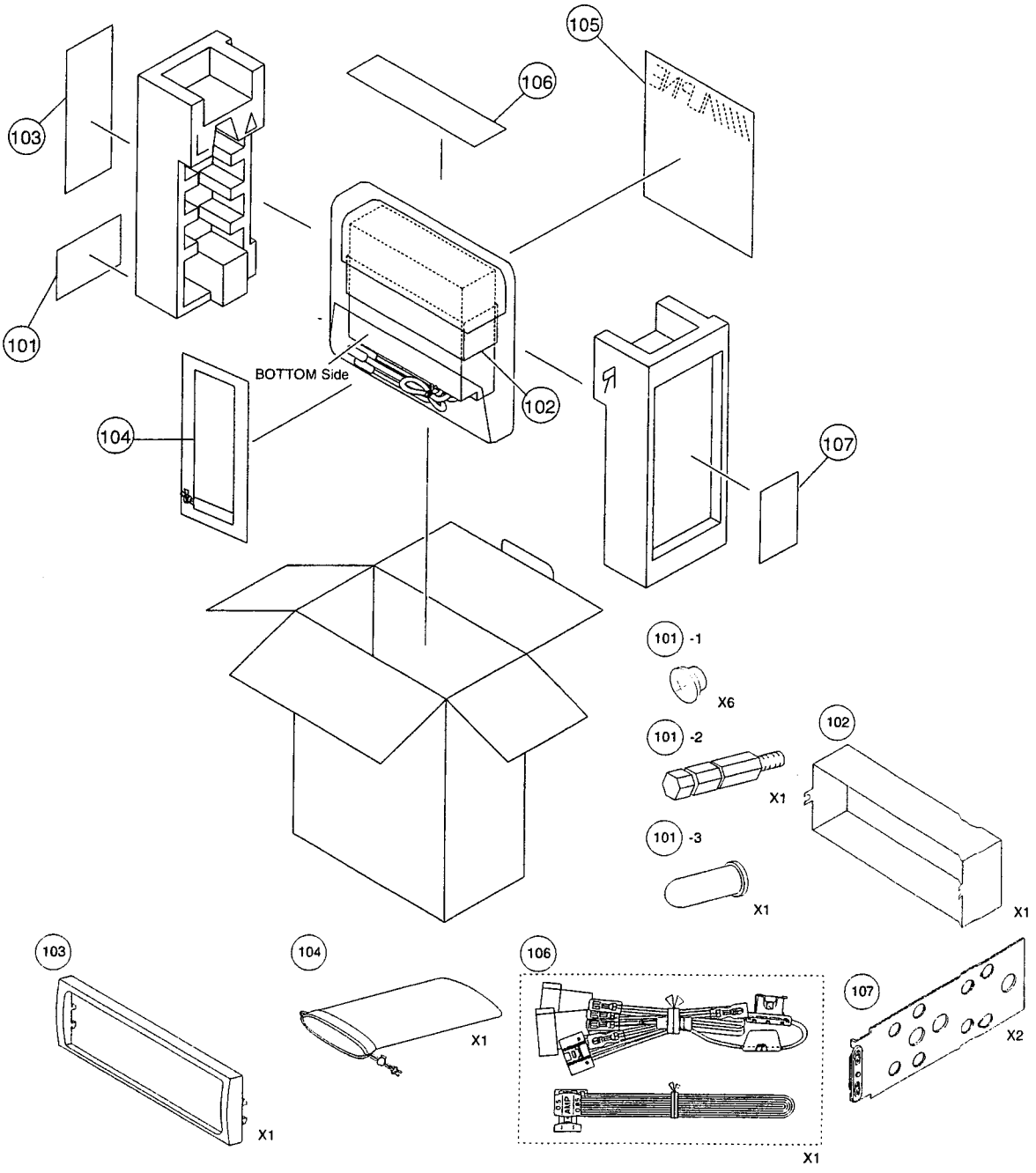
Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03A31982Y01	SCR,M4X5 FLAT
101-2	03A11112W01	BOLT,HEX.M5(A)
101-3	36A11113W01	CAP,RUBBER(A)
102	15D80814F01	CASE,INNER
103	33C41602Y01	FACE,PLATE

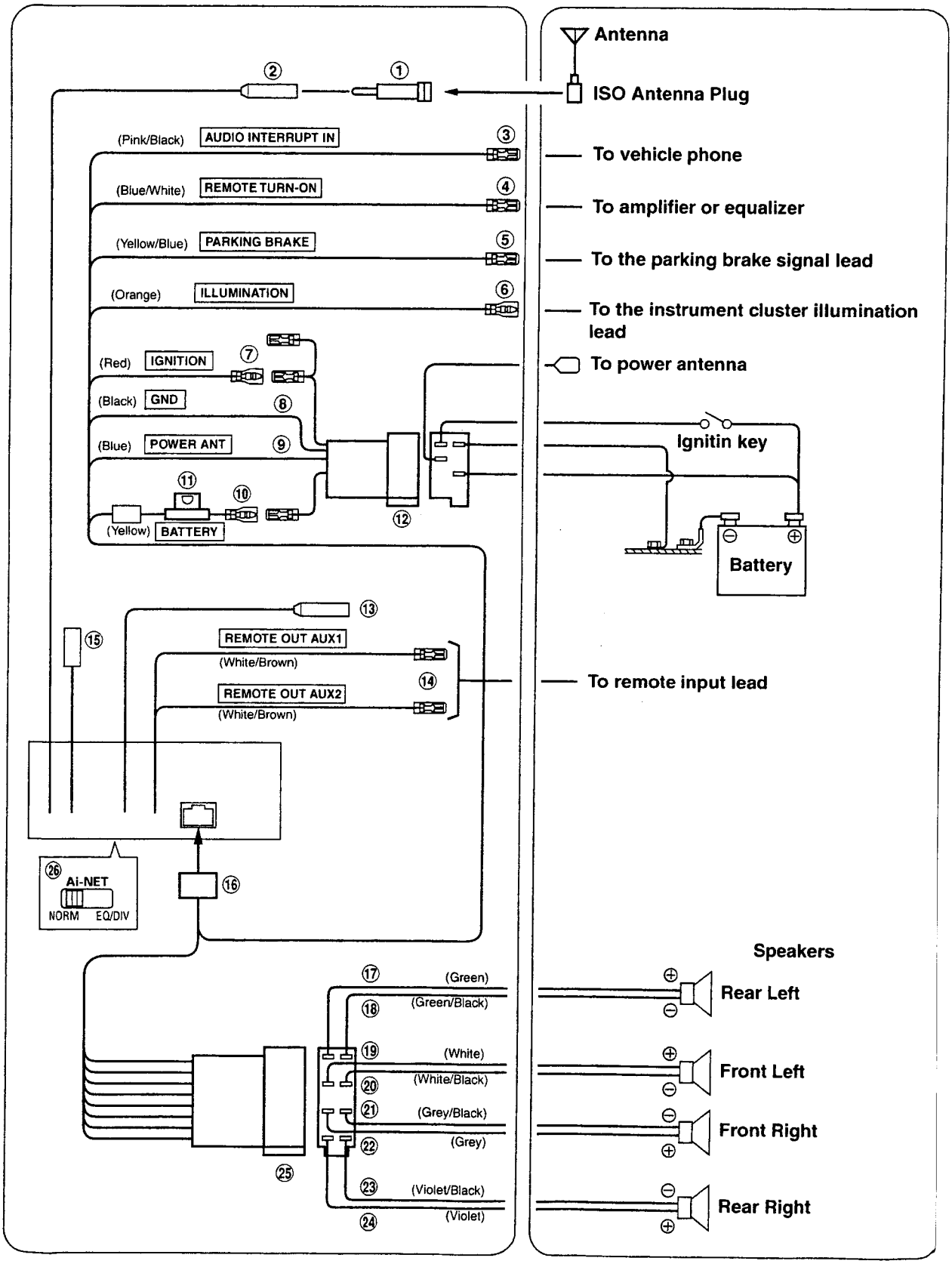
Symbol No.	Part No.	Description
104	15B41543Y01	CARRING,BAG
105	68P41262Y61	O/M AOEU
106	01T15359Y08	ASSY,WIRE PWR 1003R
107	07T75070W01	BKT,STOPPER ASSY

Packing Method View



System Connections

Basic Connections



CVA-1003R

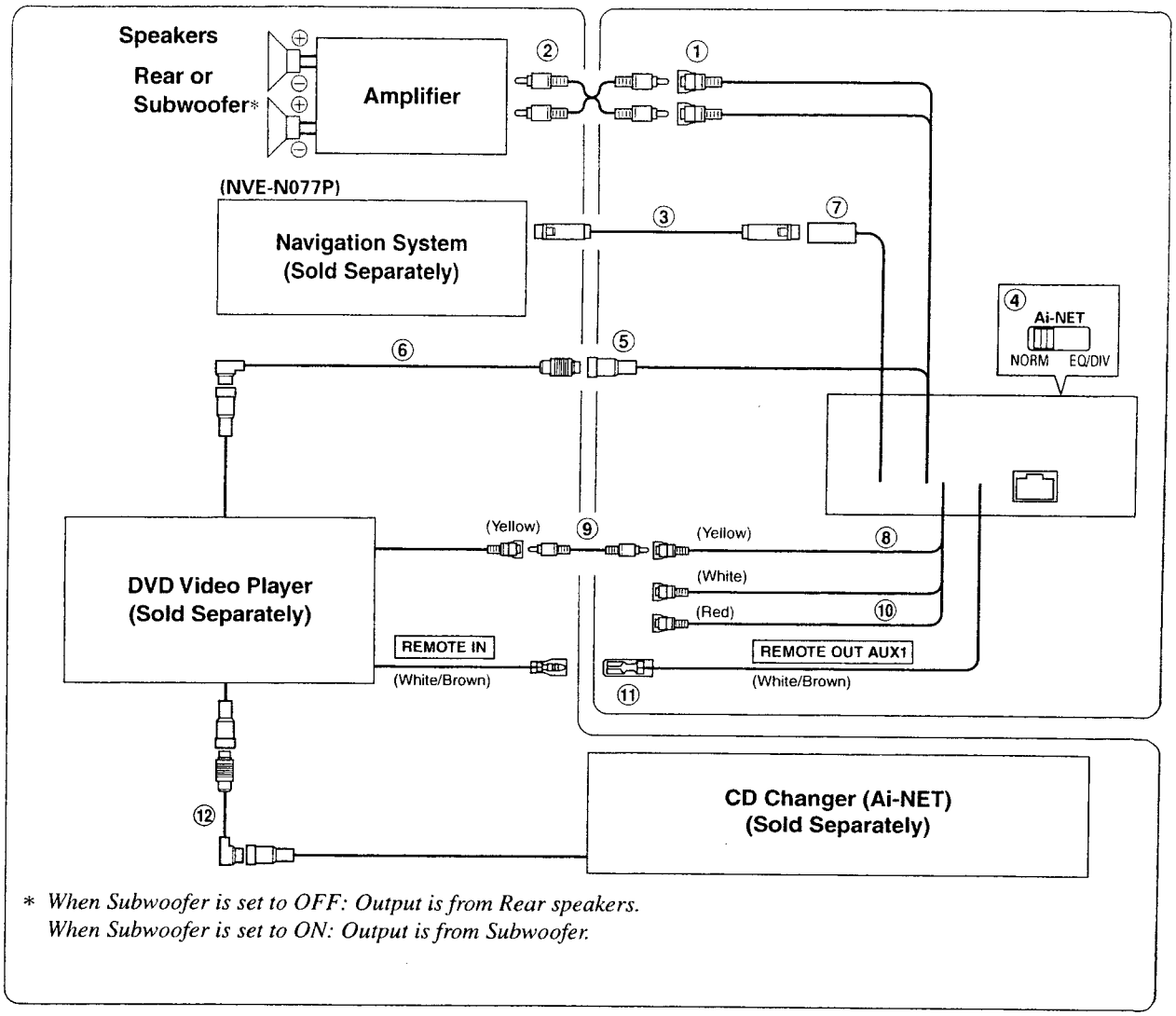
① ISO Antenna Convertor Plug
② Antenna Receptacle
Connect to the supplied ISO antenna convertor plug.
③ Audio Interrupt In Lead (Pink/Black)
Connect this lead to the Audio Interface output of a cellular phone which provides ground shorting when a call is received.
If a device having the interrupt feature is connected, audio will be automatically muted whenever the interrupt signal is received from the device.
④ Remote Turn-On Lead (Blue/White)
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
⑤ Parking Brake Lead (Yellow/Blue)
Connect this lead to the power supply side of the parking brake switch to transmit the parking brake status signals to the CVA-1003R.
⑥ Illumination Lead (Orange)
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the CVA-1003R to dim whenever the vehicle's lights are turned on.
⑦ Switched Power Lead (Ignition) (Red)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.
⑧ Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
⑨ Power Antenna Lead (Blue)
Connect this lead to the +B terminal of your power antenna, if applicable.

NOTE
This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier or a signal processor, etc.

⑩ Battery Lead (Yellow)
Connect this lead to the positive (+) post of the vehicle's battery.
⑪ Fuse Holder (15A)
⑫ ISO Power Supply Connector
⑬ Remote Control Interface Connector
To remote control interface box.
⑭ Remote Control Output Lead (White/Brown)
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.
⑮ RGB Input Connector
⑯ Power Supply Connector
⑰ Left Rear (+) Speaker Output Lead (Green)
⑱ Left Rear (–) Speaker Output Lead (Green/Black)
⑲ Left Front (+) Speaker Output Lead (White)
⑳ Left Front (–) Speaker Output Lead (White/Black)
㉑ Right Front (–) Speaker Output Lead (Grey/Black)
㉒ Right Front (+) Speaker Output Lead (Grey)
㉓ Right Rear (–) Speaker Output Lead (Violet/Black)
㉔ Right Rear (+) Speaker Output Lead (Violet)
㉕ ISO Connector (Speaker Output)
㉖ System Switch
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

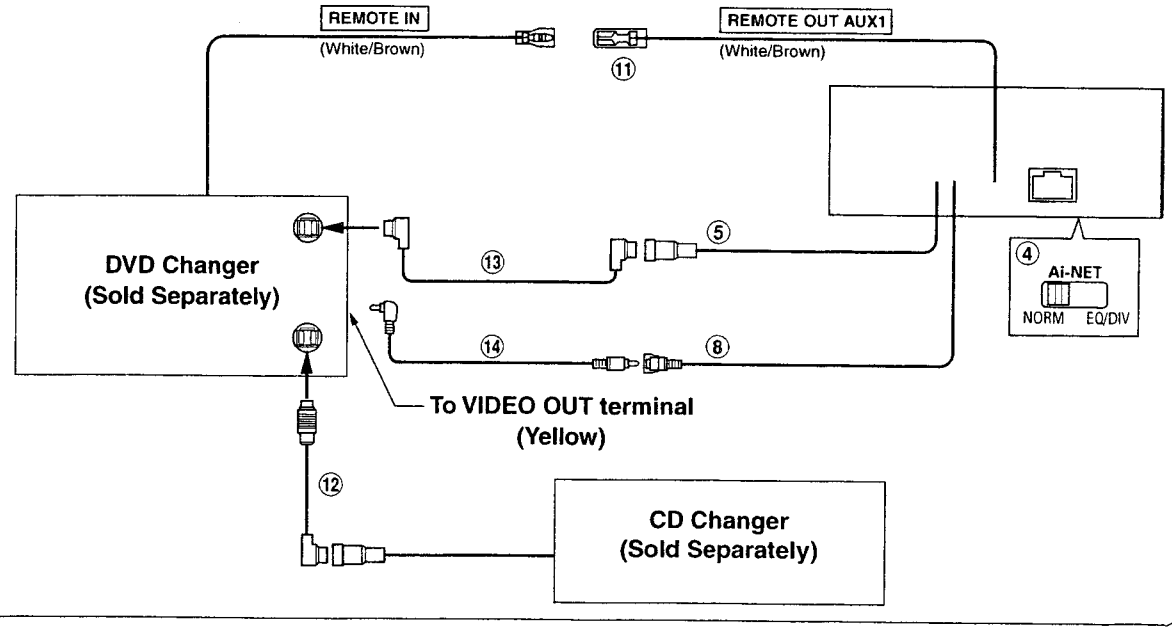
NOTE
Be sure turn the power off to the unit before changing the switch position.

System Example 1: Refer also to Basic Connections.



* *When Subwoofer is set to OFF: Output is from Rear speakers.*
When Subwoofer is set to ON: Output is from Subwoofer.

When connecting the DVD changer



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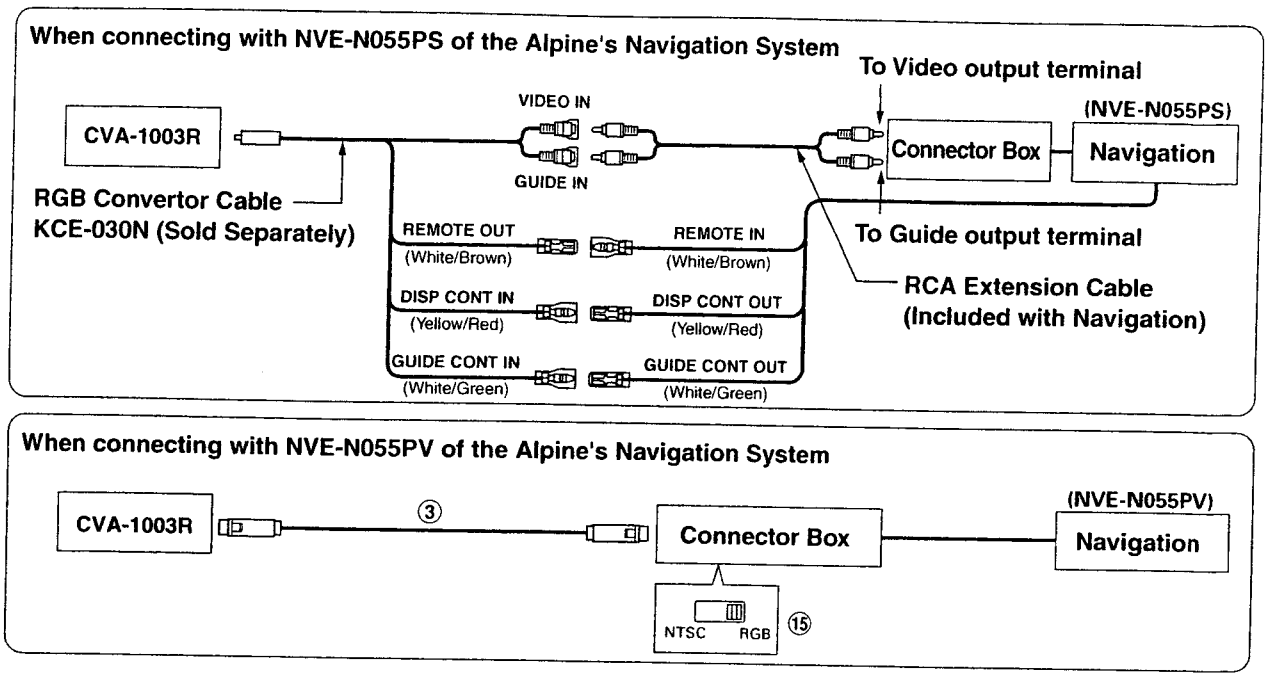


① Rear/Subwoofer Output RCA Connectors
RED is right and WHITE is left.

② RCA Extension Cable (Sold Separetely)

③ RGB Cable (Included with Navigation)

④ System Switch
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

NOTE
Be sure turn the power off to the unit before changing the switch position.

⑤ Ai-NET Connector
Connect this to the output or input connector of other product equipped with Ai-NET.

⑥ Ai-NET Cable (Included with DVD video player)

⑦ RGB Input Connector
Connect to the RGB output terminal of the navigation system.

⑧ AUX Video Input (AUX1) Connector
Connect the video output lead of a DVD video player or DVD changer to this terminal.

⑨ RCA Extension Cable (Included with DVD Video Player)

⑩ AUX Audio Input (AUX1) Connectors
(not used for this system)

⑪ Remote Control Output Lead (White/Brown)
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.

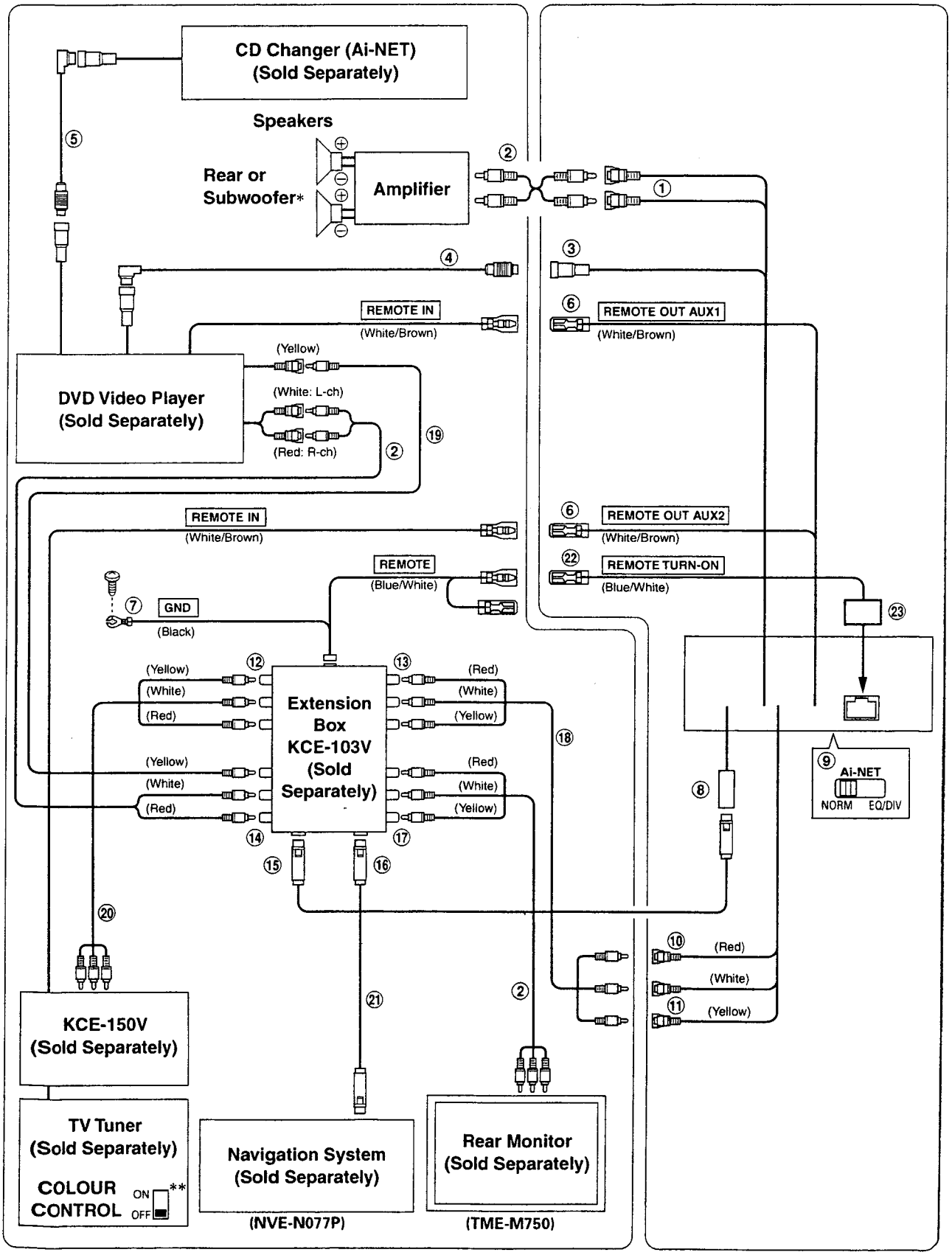
⑫ Ai-NET Cable (Included with CD Changer)

⑬ Ai-NET Cable (Included with DVD Changer)

⑭ RCA Extension Cable (Included with DVD Changer)

⑮ RGB/NTSC Output Switch
To display the picture of Navigation system on the external monitor, place the switch in the NTSC Output position.

System Example 2 (connecting to KCE-103V (Optional)): Refer also to Basic Connections.



* *When Subwoofer is set to OFF: Output is from Rear speakers.*
When Subwoofer is set to ON: Output is from Subwoofer.

** *Set the colour control of TV Tuner to OFF.*

① Rear/Subwoofer Output RCA Connectors
RED is right and WHITE is left.
② RCA Extension Cable (Sold Separetely)
③ Ai-NET Connector
Connect this to the output or input connector of other product equipped with Ai-NET.
④ Ai-NET Cable (Included with DVD video player)
⑤ Ai-NET Cable (Included with CD Changer)
⑥ Remote Control Output Lead (White/Brown)
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.
⑦ Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
⑧ RGB Input Connector
Connect to the RGB output terminal of the KCE-103V.
⑨ System Switch
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

NOTE
Be sure turn the power off to the unit before changing the switch position.

⑩ AUX Audio Input (AUX1) Connector
⑪ AUX Video Input (AUX1) Connectors
⑫ To AUX Input2 Terminals of the KCE-103V
⑬ Connect to the AUX Input (AUX1) Connecters of the CVA-1003R
⑭ To AUX Input1 Terminals of the KCE-103V
⑮ Connect to the RGB Input Terminal of the CVA-1003R
⑯ Connect to the RGB Terminal of the Navigation System
⑰ To AUX Output Terminals of the KCE-103V
⑱ RCA Extension Cable (Included with KCE-103V)
⑲ RCA Extension Cable (Included with DVD Video Player)
⑳ RCA Extension Cable (Included with KCE-150V)
㉑ RGB Cable (Included with Navigation)
㉒ Remote Turn-On Lead (Blue/White)
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
㉓ Power Supply Connector

Specifications

<Monitor SECTION>

Screen Size	6.5-type
Display System	Transparent type TN LCD
Drive System	TFT active matrix
Number of Picture Elements	336,960 pcs. (1,440×234)
Light Source	U-shaped cold cathode fluorescent tube

<Tuner SECTION - FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	21.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	28±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB
	Mono : 58dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB
	10kHz : -10±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<Tuner SECTION - MW RADIO>

Intermediate Frequency	1st. : 10.7MHz
	2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	36dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz, 2nd. IF)	50dB
IF Rejection (at 603kHz, 2nd. IF)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB
	2.5kHz : -5+3,-5dB

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<Tuner SECTION - LW RADIO>

Intermediate Frequency	1st. : 10.7MHz
	2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	44dB
Image Rejection (at 270kHz, 2nd. IF)	50dB
IF Rejection (at 216kHz, 2nd. IF)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB
	2.5kHz : -5+3, -5dB

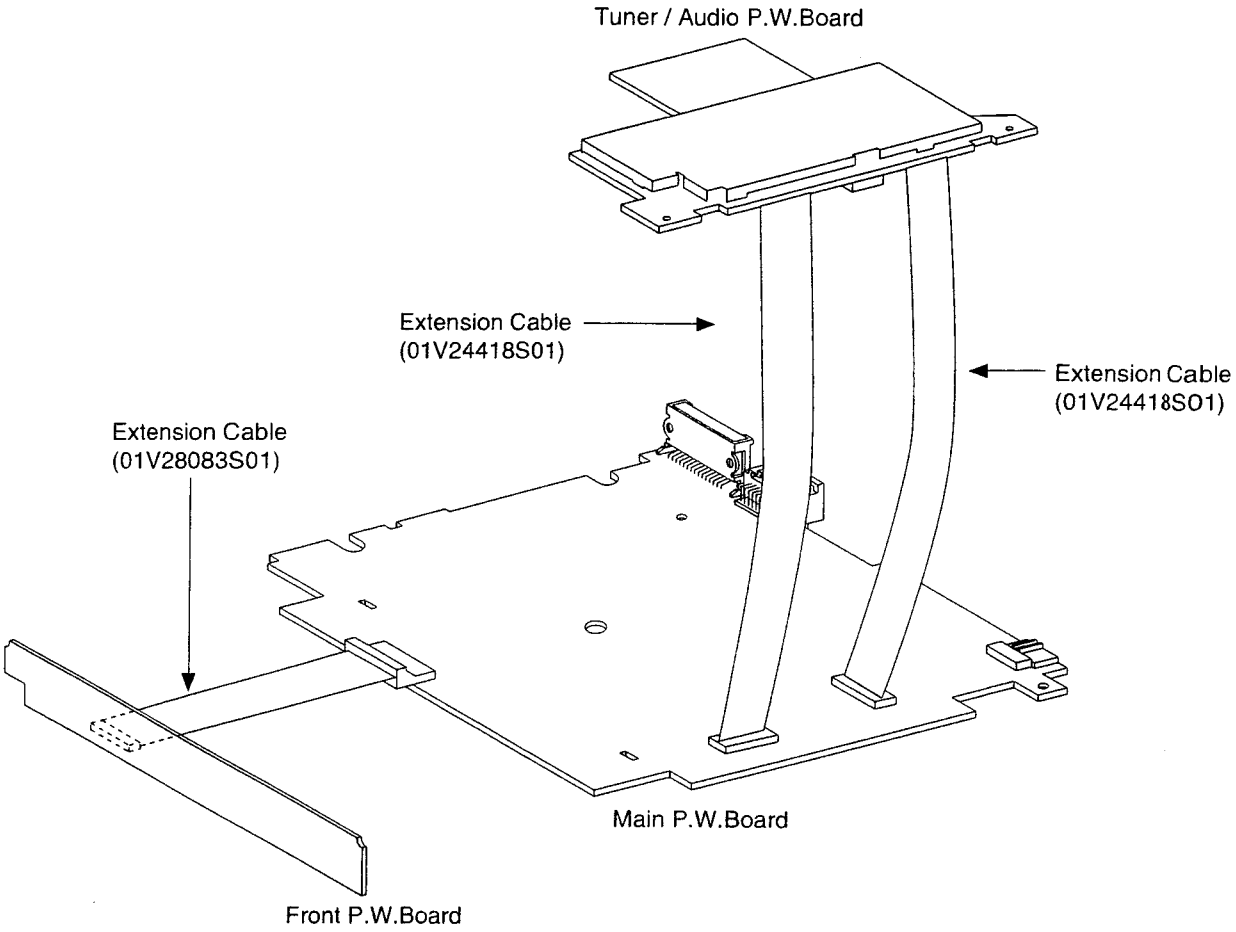
<GENERAL>

Signal System	PAL System
Power Supply	DC14.4V
Power Output (FM 400Hz/40kHz Dev., T.H.D. 10%) /Impedance	18W/ch/4ohm
Dimensions (W×H×D)	Chassis : 178×50×165mm
	Nose : 170×46.2×20.1mm
Weight	2.2kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Extension Cable

● When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.



Adjustment Procedures

1. LCD Display Specifications

<Test condition>

Watch the LCD at a distance of 35cm.

(1) LCD luminous spot specification.

Condition for picture	Permissible Quantity
A black picture all around.	Red and Green and Blue spot under 3 points for total

※ Luminous spot : can be perceptible through a 5% ND filter.

※ Point : 1point = 1cell

※ Successive spot are NG.

(2) LCD black spot and luminous spot specification.

Condition for picture	Permissible Quantity
A black picture all around or a white picture all around.	A total of quantity for luminous spot and black spot should be within 8 point.

※ Point : 1point = 2cell (Black spot only)

2. Video Adjustment

(1) Connection

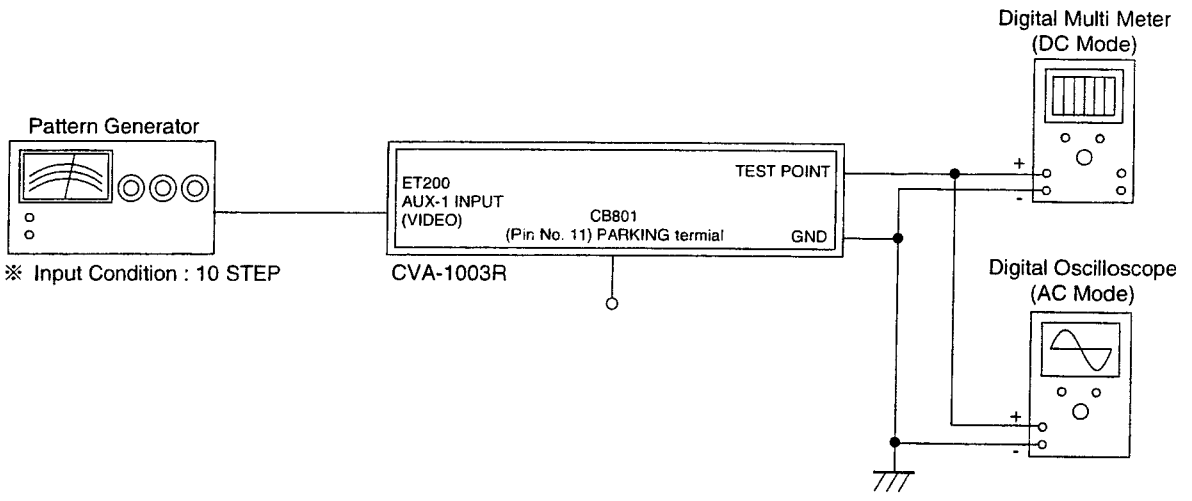
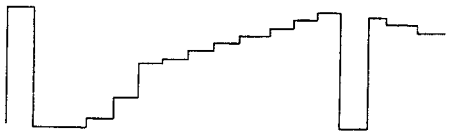
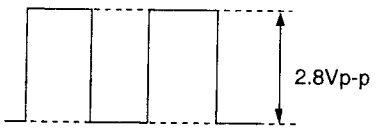
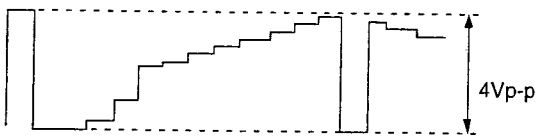
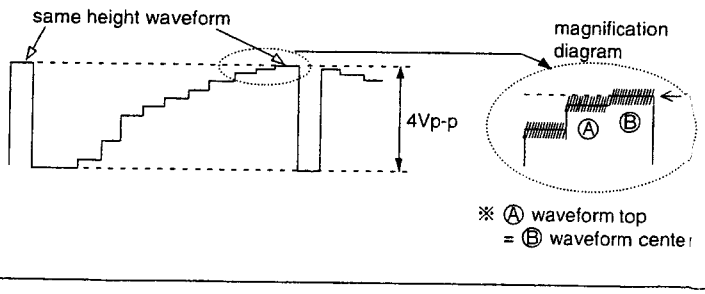
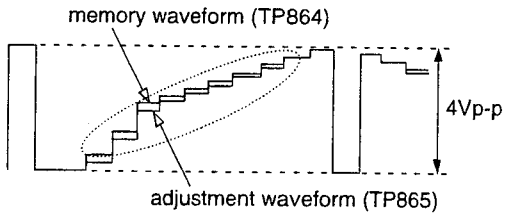
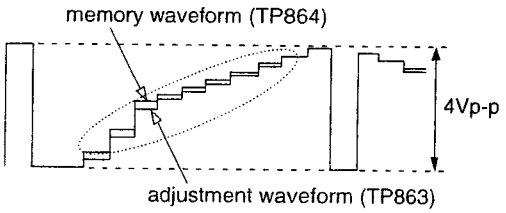


Figure 1

(2) Adjustment Procedures

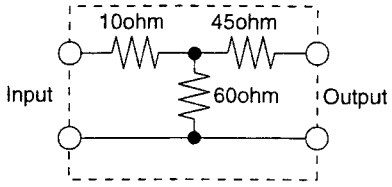
Step	Description	Connection	Test Point / P.W.Board Coordinates	Adjustment
1	AUX1 MODE	Figure 1	—	Change MODE AUX1 by pushing [SOURCE] switch.
2	Confirmation of 10STEP Waveform	Figure 1	TP863 (5-C) TP864 (5-D) TP865 (5-D)	Confirm 10STEP waveform as shown in below. 
3	+13V Driving Voltage Adjustment	Figure 1	TP859 (5-D)	Adjust VR801 to 13.1±0.1V at TP859 voltage.
4	-16V Driving Voltage Adjustment	Figure 1	TP860 (5-D)	Adjust VR802 to -15.9±0.1V at TP860 voltage.
5	+5.3V Driving Voltage Adjustment	Figure 1	TP858 (5-D)	Adjust VR803 to 5.45±0.05V at TP858 voltage.
6	Gamma 2 Adjustment	Figure 1	TP701 (5-C)	Adjust VR701 to 2.5±0.05V at TP701 voltage.
7	Gamma 0 Adjustment	Figure 1	TP703 (5-C)	Adjust VR702 to 1.5±0.05V at TP703 voltage.
8	COM Adjustment	Figure 1	TP848 (5-D)	Adjust VR707 until the waveform shows 2.8Vp-p as shown in below. 
9	RGB AMP Adjustment	Figure 1	TP864 (5-D)	Adjust VR703 until the waveform shows 4Vp-p as shown in below. 
10	Contrast Adjustment	Figure 1	TP864 (5-D)	Adjust VR706 until same height waveform of sync waveform top and signal waveform top as shown in below. 

Step	Description	Connection	Test Point / P.W.Board Coordinates	Adjustment
11	Contrast waveform Memory	Figure 1	TP864 (5-D)	After the adjustment in step 11, keep the waveform on the Digital Oscilloscope.
12	SB B Adjustment	Figure 1	TP865 (5-D)	Adjust VR704 until the TP865 waveform matches the waveform kept as shown in below. 
13	SB R Adjustment	Figure 1	TP863 (5-C)	Adjust VR705 until the TP863 waveform matches the waveform kept as shown in below. 

3. Tuner Adjustment

① FM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator Figure 2

(2) Connection

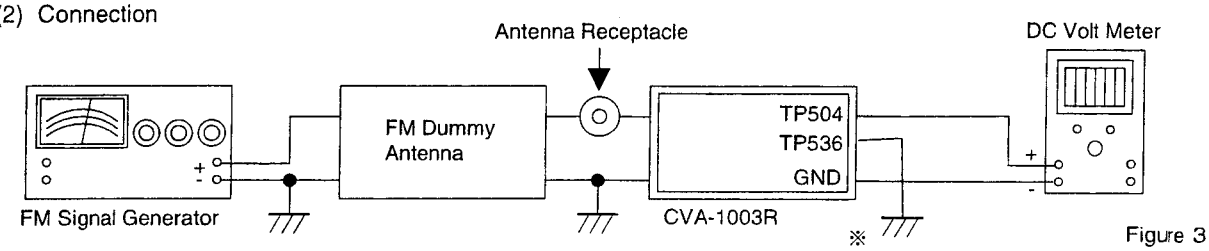


Figure 3

(3) Control Settings

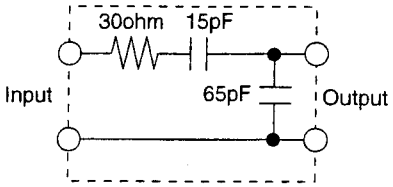
Fader Control	Center Position	Bass Control	FLAT
Balance Control	Center Position	Band Switch	FM
Treble Control	FLAT	Others	OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator		Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	Signal Meter Adjustment	Figure 3	(1)	90.1MHz, 31dBμ (Mod. OFF)	90.1MHz	TP504 (3-A) TP536 (3-A)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP536.
			(2)	90.1MHz, 26dBμ (Mod. OFF)	90.1MHz	TP504 (3-A) TP536 (3-A)	Proceed same Auto Adjustment of step (1) under step (2). (SPEC) TP504 : 1.5±0.1V

② MW/LW SECTION

(1) Dummy Antenna Circuit



For 50 ohm AM Signal Generator Figure 4

(2) Connection

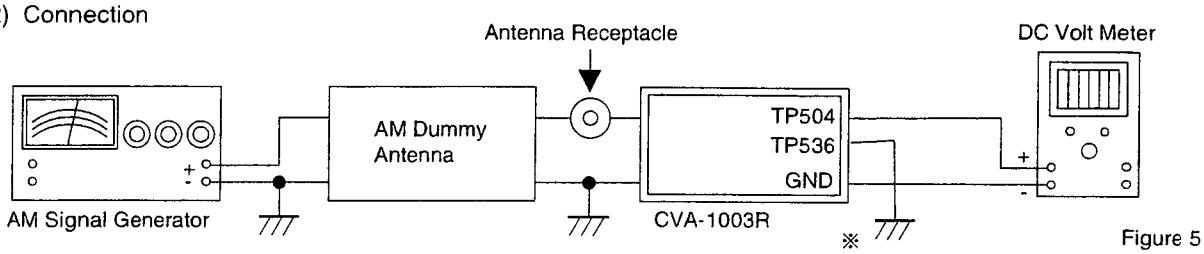


Figure 5

(3) Control Settings

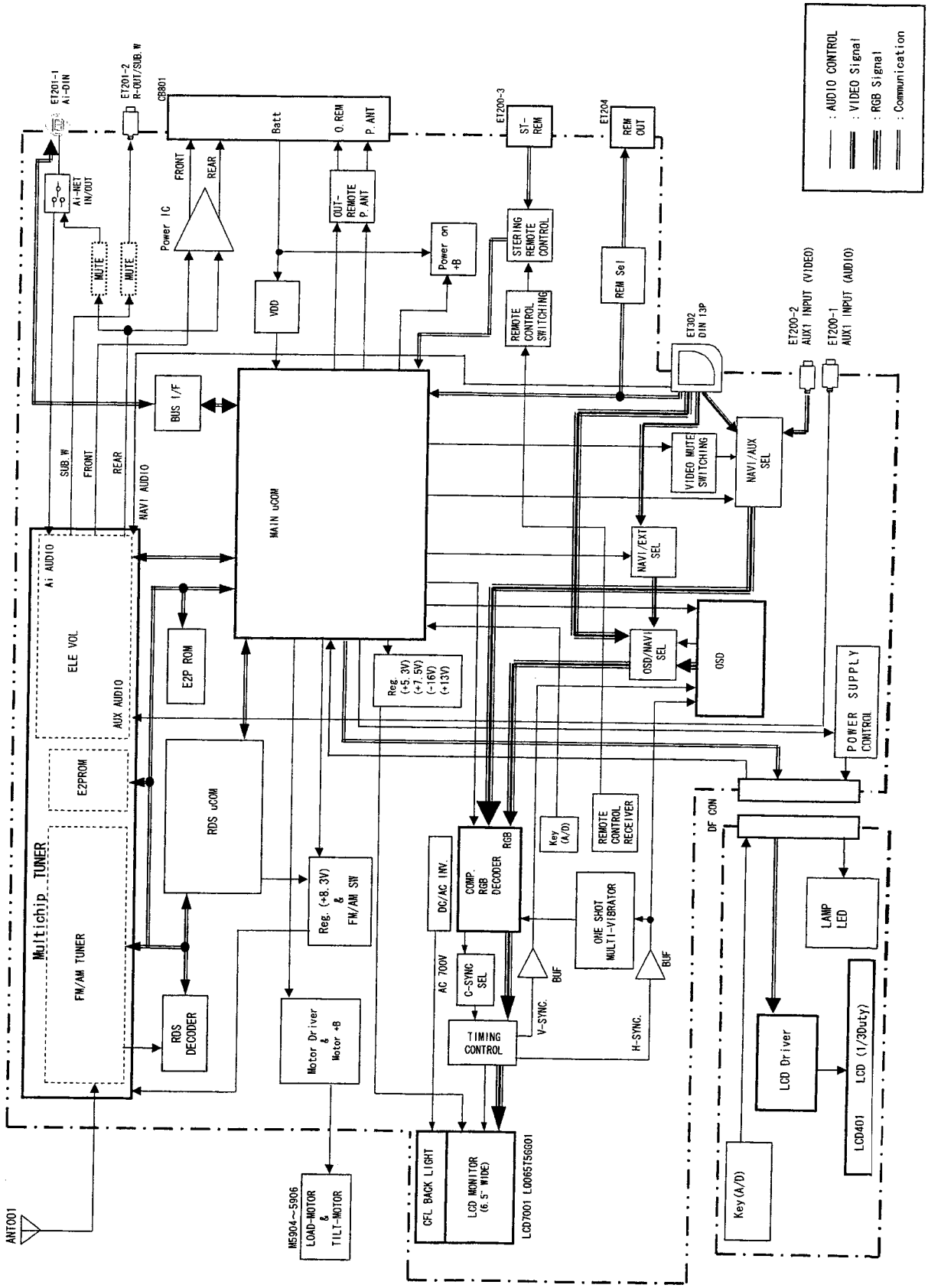
Fader Control	Center Position	Bass Control	FLAT
Balance Control	Center Position	Band Switch	MW/LW
Treble Control	FLAT	Others	OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	Stop Level Adjustment (MW)	Figure 5	999kHz, 30dBμ (Mod. OFF)	999kHz	TP504 (3-A) TP536 (3-A)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP536. (SPEC) TP504 : 1±0.1V
2	Stop Level Adjustment (LW)	Figure 5	216kHz, 30dBμ (Mod. OFF)	261kHz	TP504 (3-A) TP536 (3-A)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP536. (SPEC) TP504 : 1±0.1V

NOTE : For the Test Points and Adjustment Parts, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

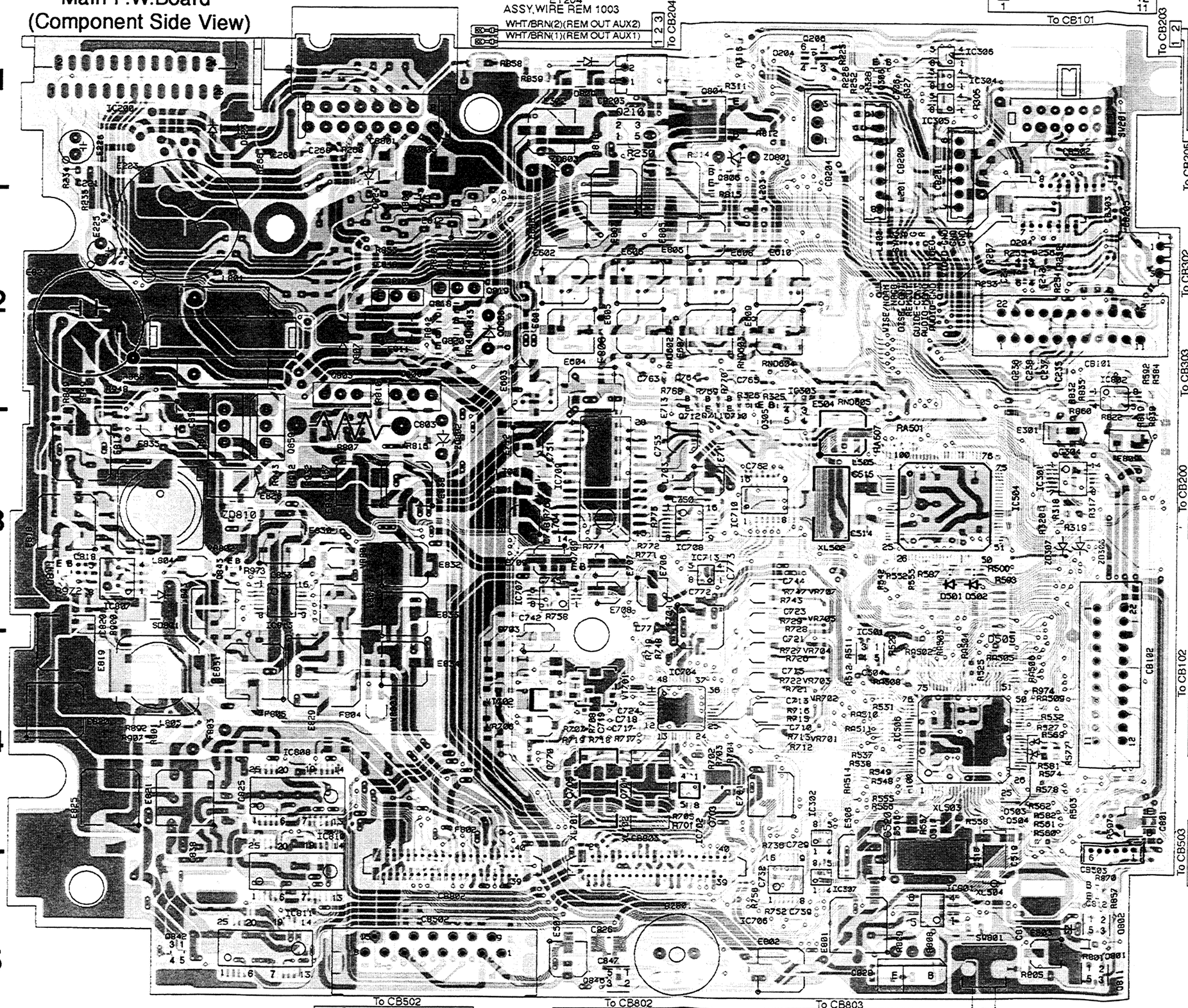
Block Diagram



Parts Layout on P.W.Boards and Wiring Diagram (1/6)

CVA-1003R

Main P.W.Board
(Component Side View)

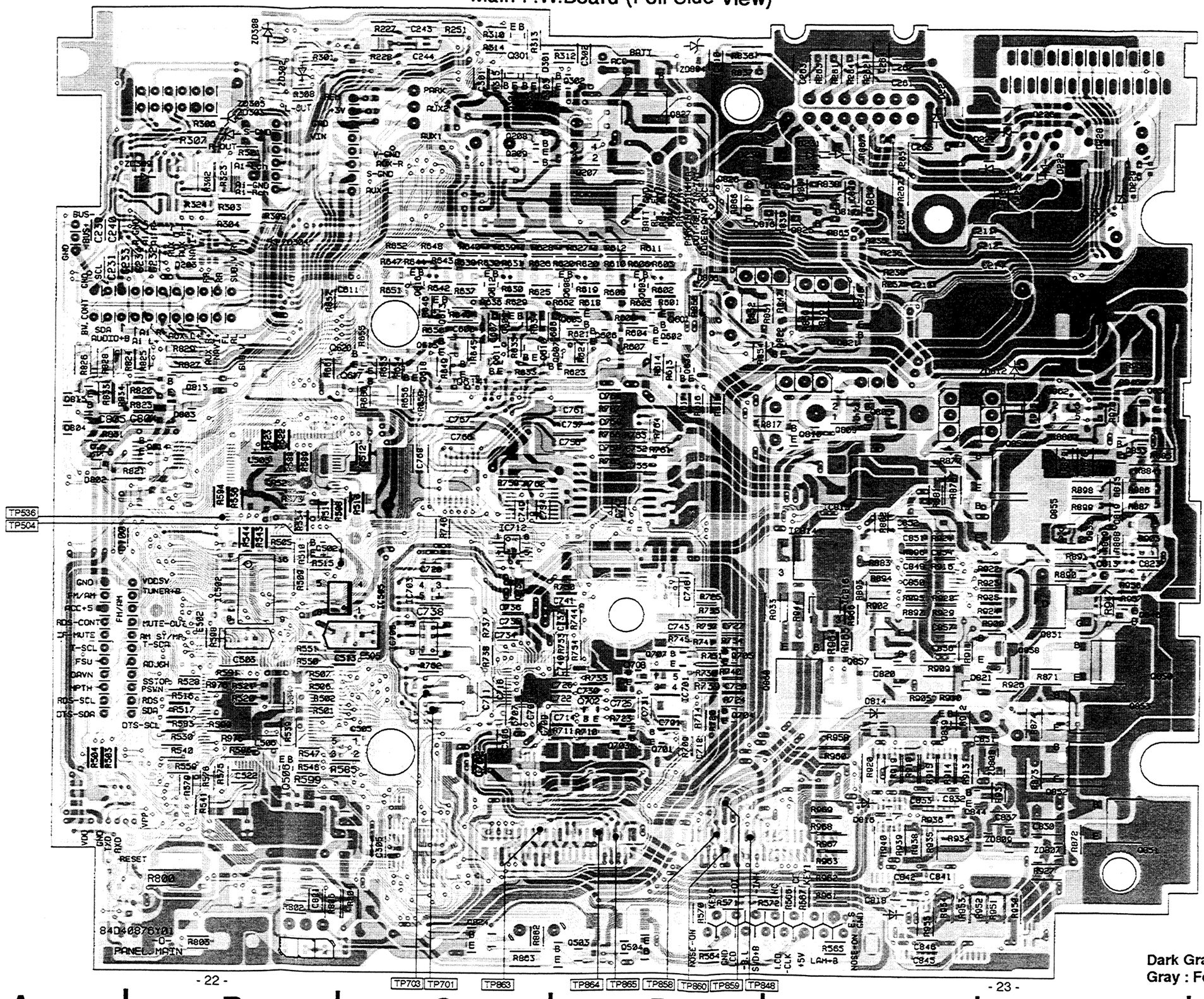


Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

ALPI-00698 / DRUCK: 1

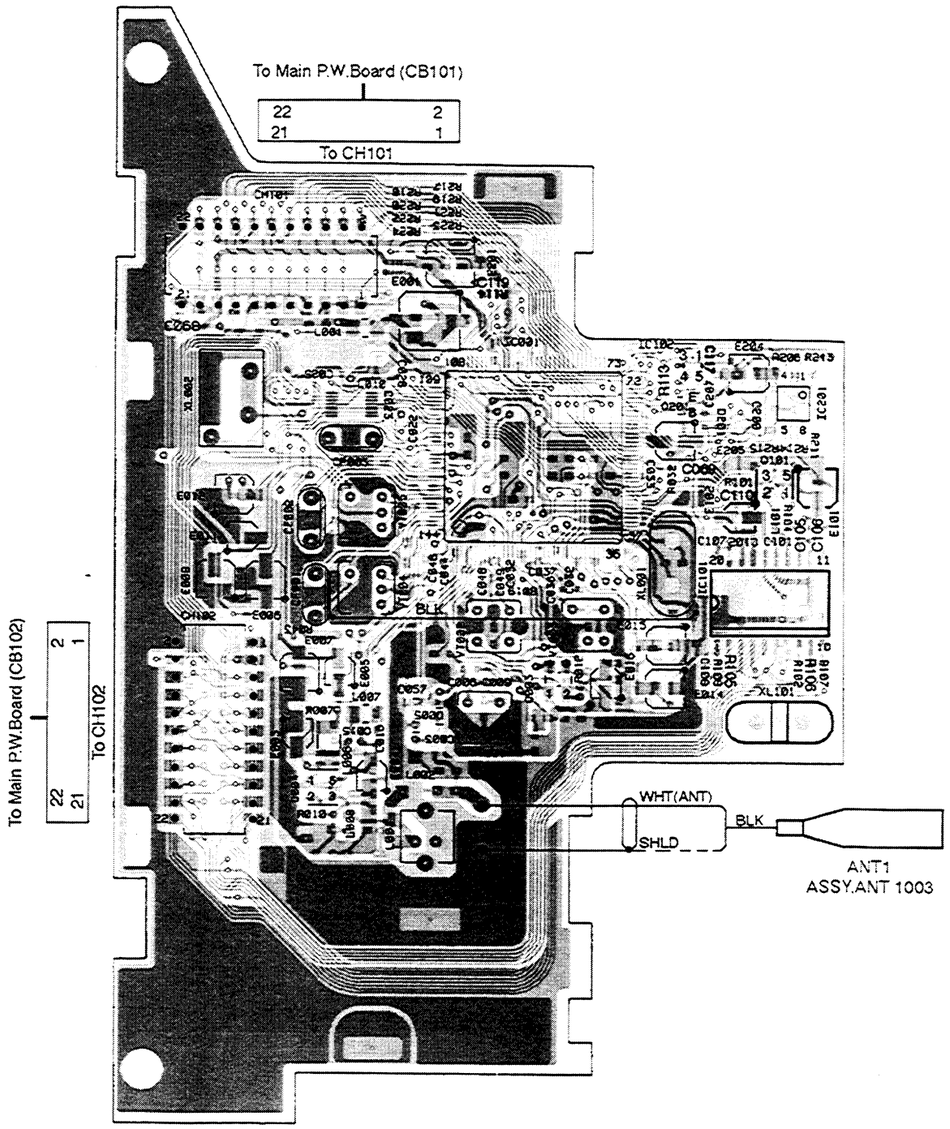
Parts Layout on P.W.Boards and Wiring Diagram (2/6)

Main P.W.Board (Foil Side View)

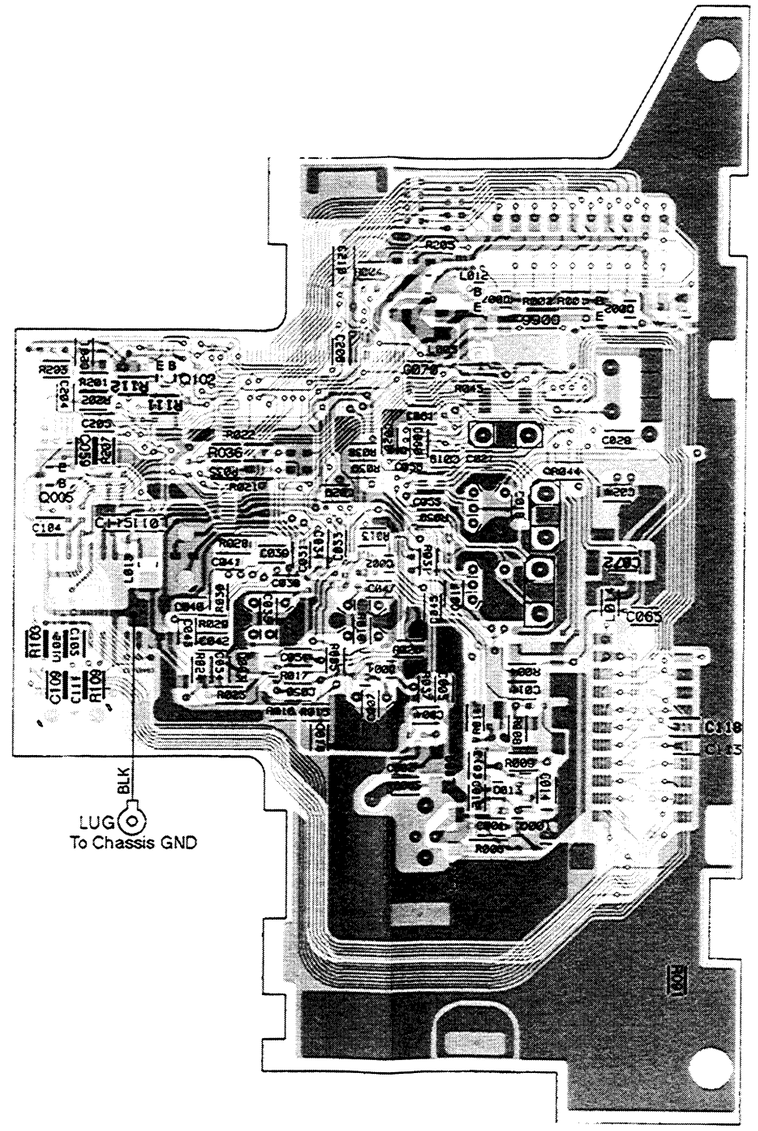


Parts Layout on P.W.Boards and Wiring Diagram (3/6)

Tuner/ Audio P.W.Board (Component Side View)



Tuner/ Audio P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

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Parts Layout on P.W.Boards and Wiring Diagram (4/6)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

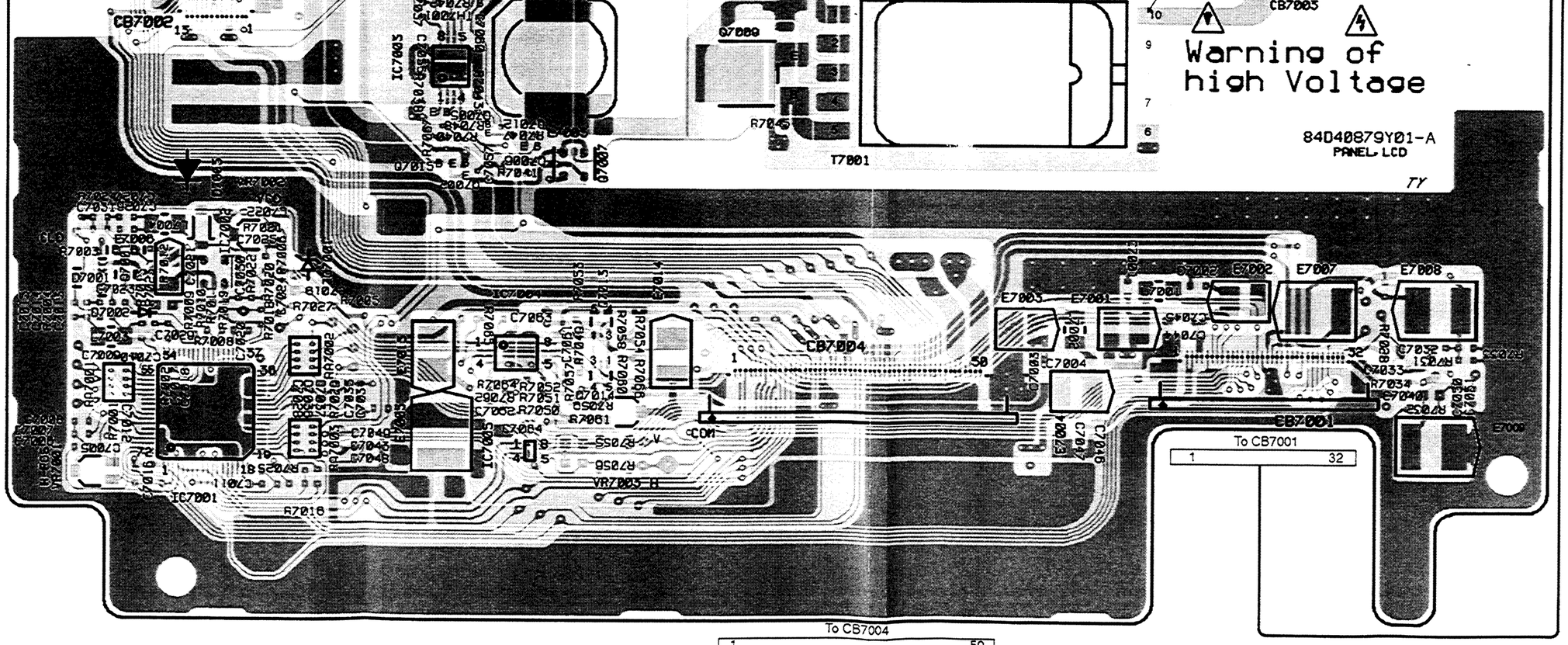
Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

LCD7001
LCD.LQ065T5GG01B

BLK
RED

From TOP-KEY P.W.Board (CH451)
13 1
To CB7002

LCD P.W.Board (Component Side View)



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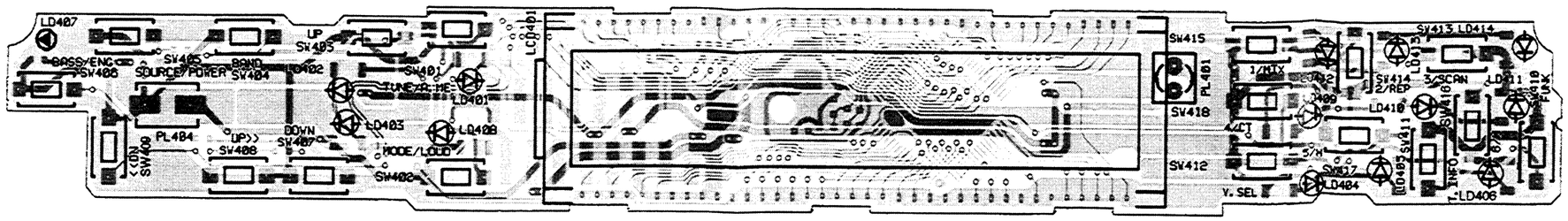
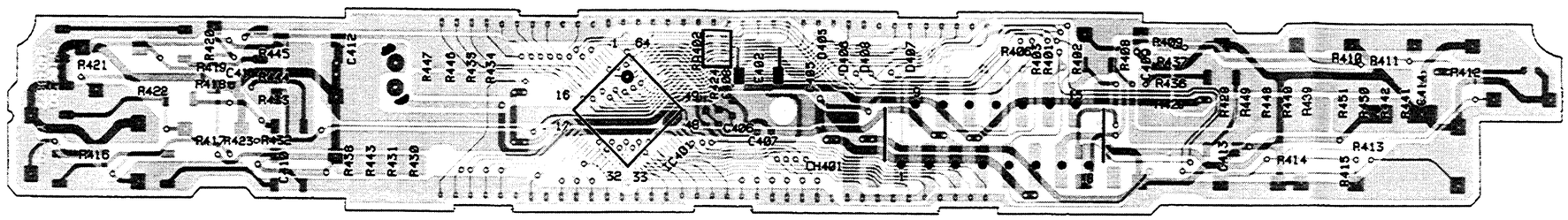
Parts Layout on P.W.Boards and Wiring Diagram (5/6)

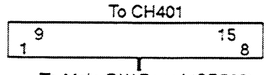
Front P.W.Board (Component Side View)



Front P.W.Board (Foil Side View)

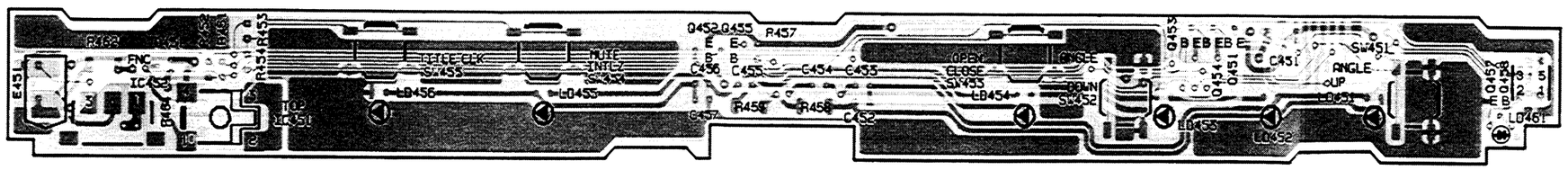


To CH401

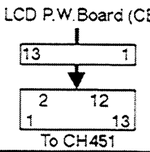


To Main P.W.Board (CB502)

TOP-KEY P.W.Board (Component Side View)

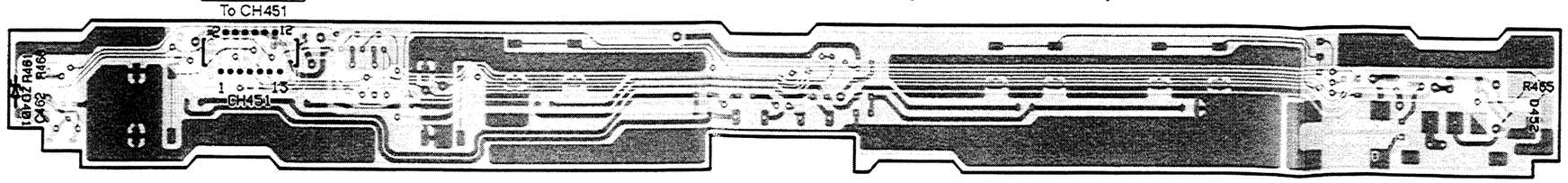


To LCD P.W.Board (CB7002)



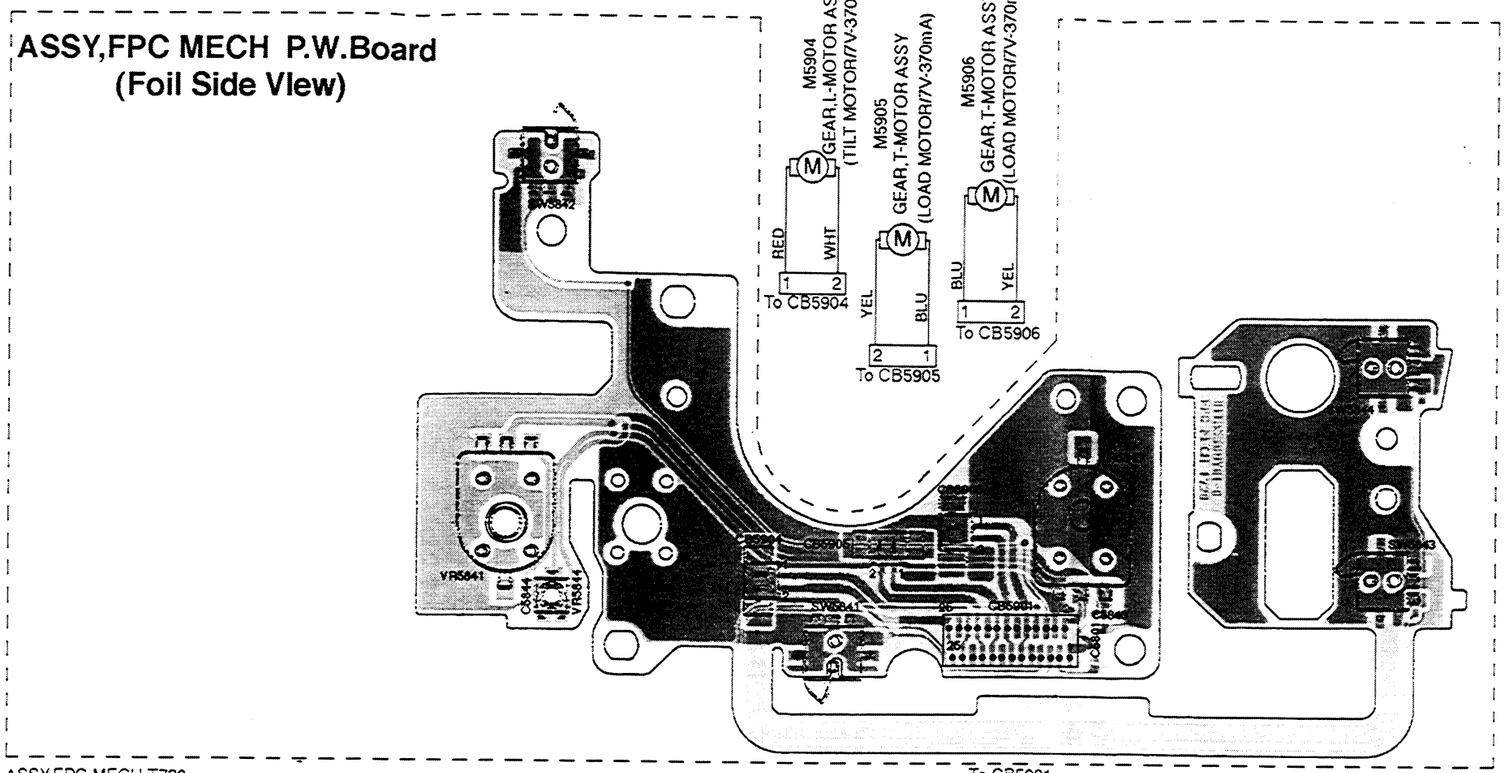
To CH451

TOP-KEY P.W.Board (Foil Side View)



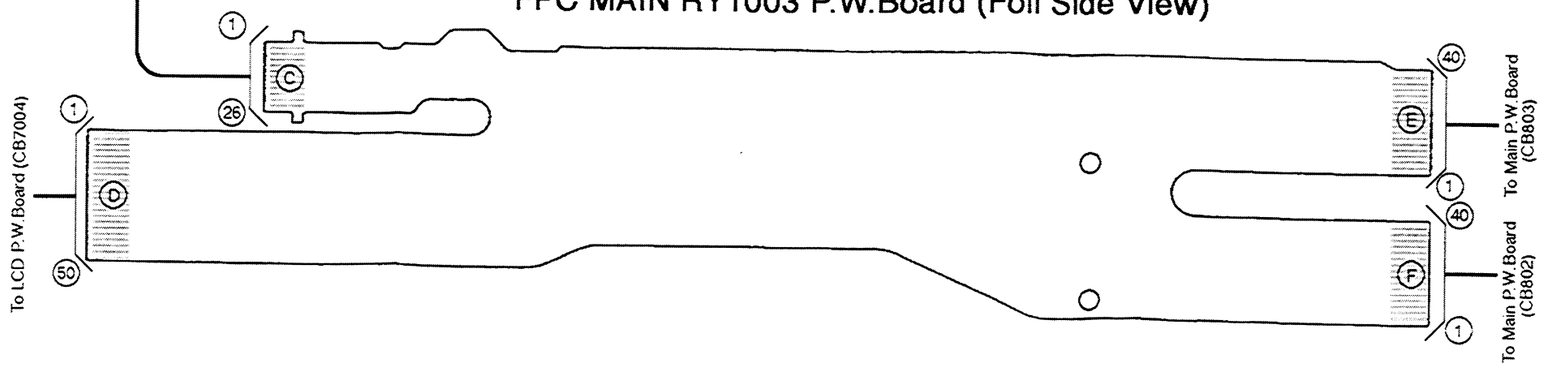
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (6/6)



NOTE : Parts mounted inside of ASSY,FPC MECH T720
are not described on the Electrical Parts List.

FPC MAIN RY1003 P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Schematic Diagram (1/13)

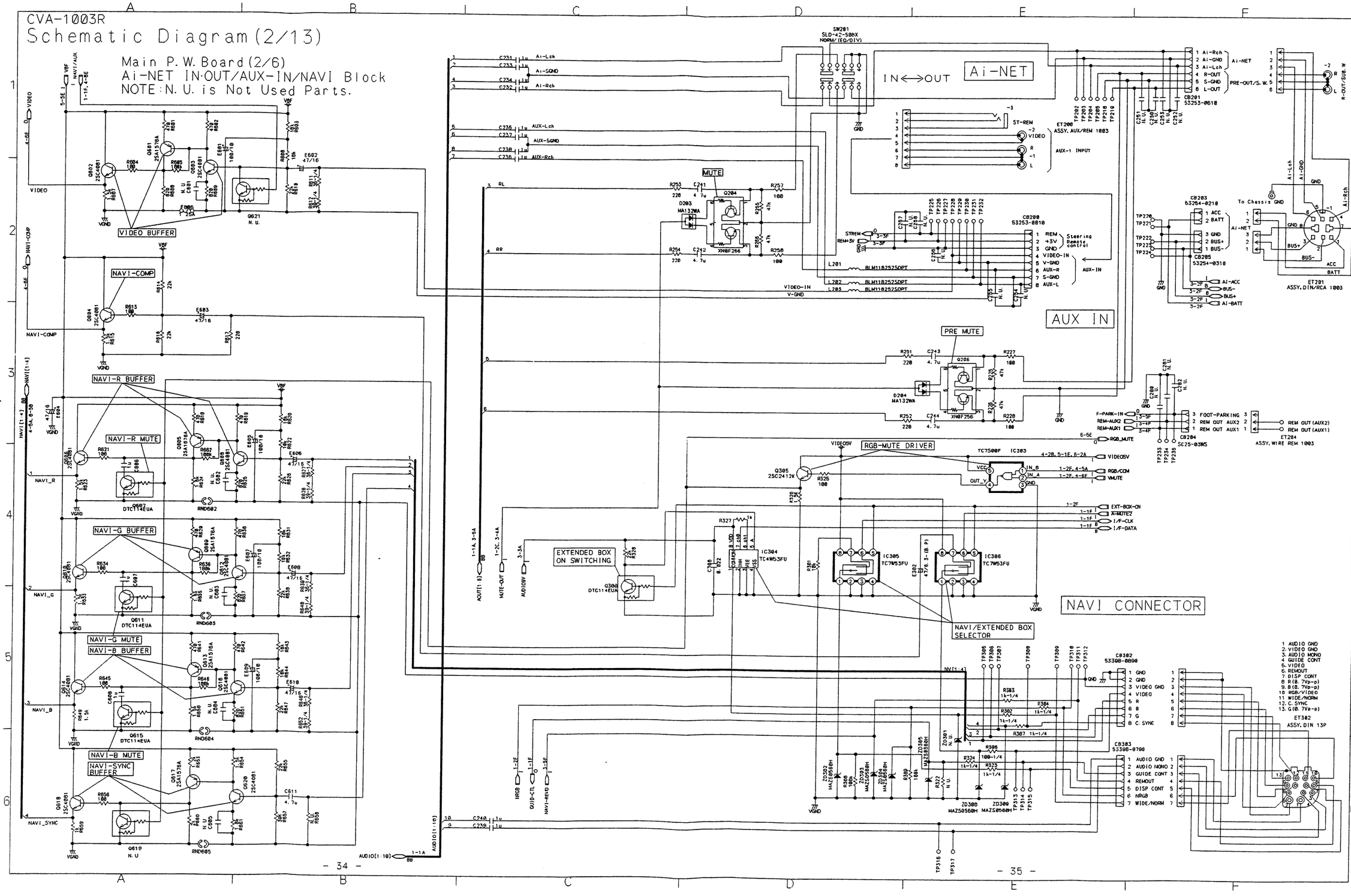
CVA-1003R

Main P.W. Board (1/6)
Main u-COM Block
NOTE: N.U. is Not Used Parts.

CVA-1003R

Schematic Diagram (2/13)

Main P.W.Board (2/6)
Ai-NET IN·OUT/AUX-IN/NAVI Block
NOTE : N.U. is Not Used Parts.



Schematic Diagram (3/13)

CVA-1003R

TUNER +B

TUNER VCC+B 3V 63mA

POWER ON+B

ACC+5V

ACC DET.

BATT DET.

VDD/RESET

LCD BACKLIGHT ON SWITCHING

P. ANT/O. REM SWITCHING CIRCUIT

Ai-NET BUS RESET

Ai-NET BUS INTERFACE CIRCUIT

STERING REMOTE CONTROL CIRCUIT

REMOTE CONTROL SELECTOR

MUTE DRIVER

POWER-IC MUTE

POWER IC

BUZZER DRIVER

IN-INTERRUPT SWITCHING

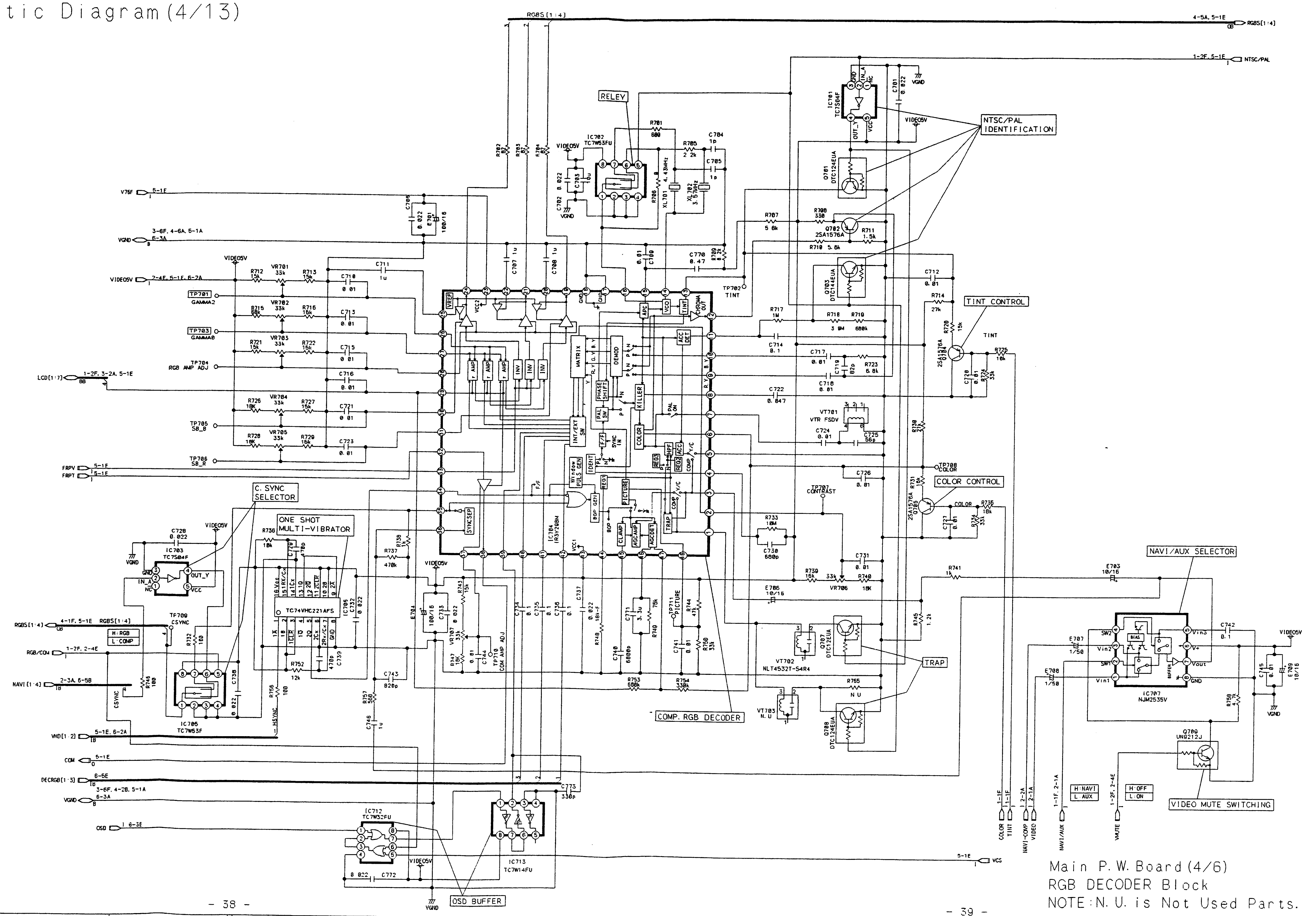
DIMMER SWITCHING

PARKING DET.

Main P. W. Board (3/6)
AMP, POWER, I/F Block
NOTE: N. U. is Not Used Parts.

CVA-1003R

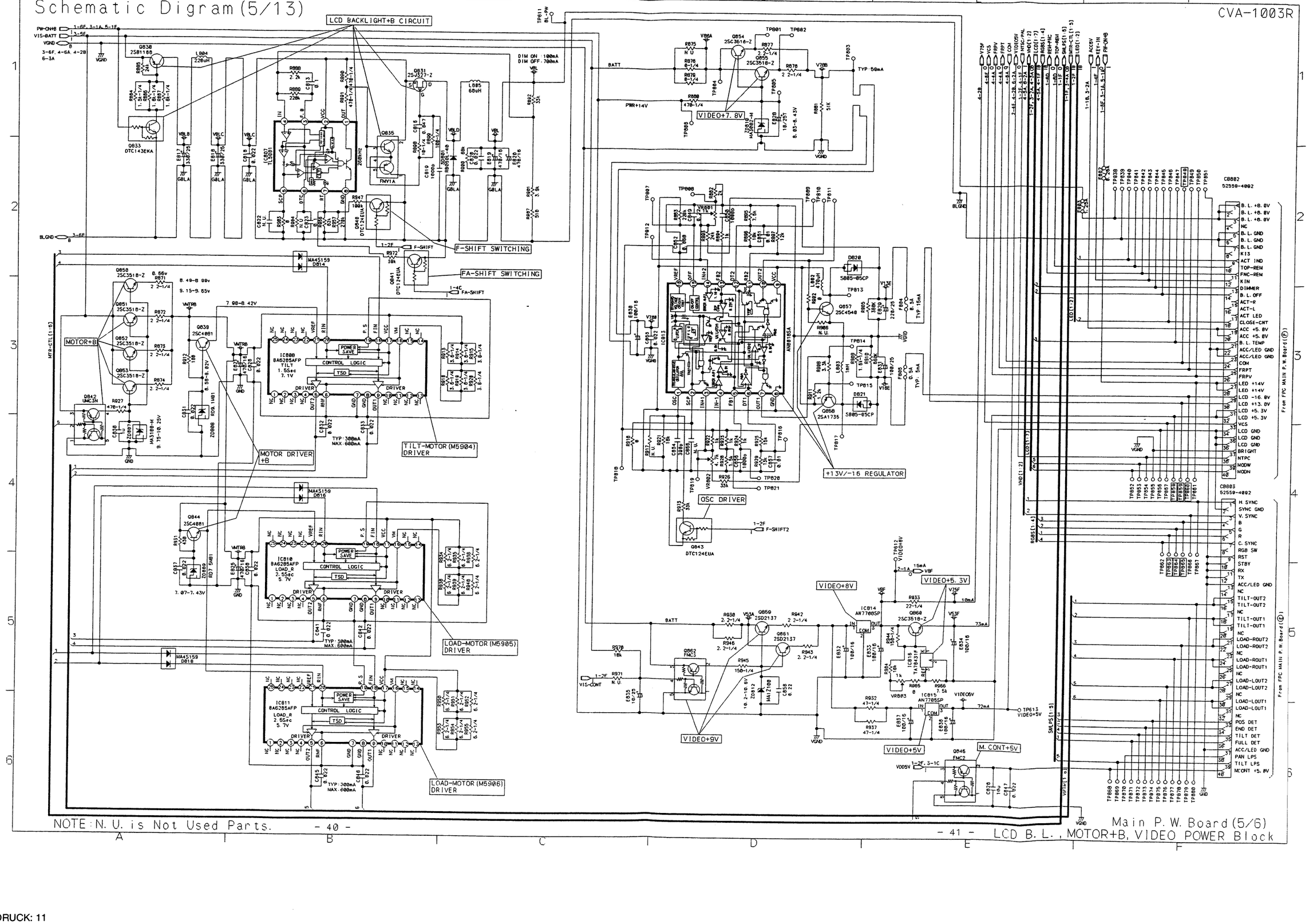
Schematic Diagram (4/13)


RELEY
NTSC/PAL IDENTIFICATION
TINT CONTROL
COLOR CONTROL
C. SYNC SELECTOR
ONE SHOT MULTI-VIBRATOR
COMP. RGB DECODER
NAVI/AUX SELECTOR
TRAP
VIDEO MUTE SWITCHING
OSD BUFFER
IC701 TC7S04F
IC702 TC7W53FU
IC703 TC7S04F
IC704 IR3Y29BM
IC705 TC7W53F
IC706 TC74VHC221AFS
IC707 NJM2535V
IC712 TC7W32FU
IC713 TC7W14FU
Q701 DTC124EUA
Q702 2SA1576A
Q703 DTC144EUA
Q704 2SA1576A
Q705 2SA1576A
Q707 DTC124EUA
Q708 DTC124EUA
Q709 UN9212J
VT701 VTR FSDV
VT702 NLT4532T-S4R4
VT703 N.U
H:RGB
L:COMP
H:NAVI
L:AUX
H:OFF
L:ON

Main P.W. Board (4/6)
RGB DECODER Block
NOTE: N.U. is Not Used Parts.

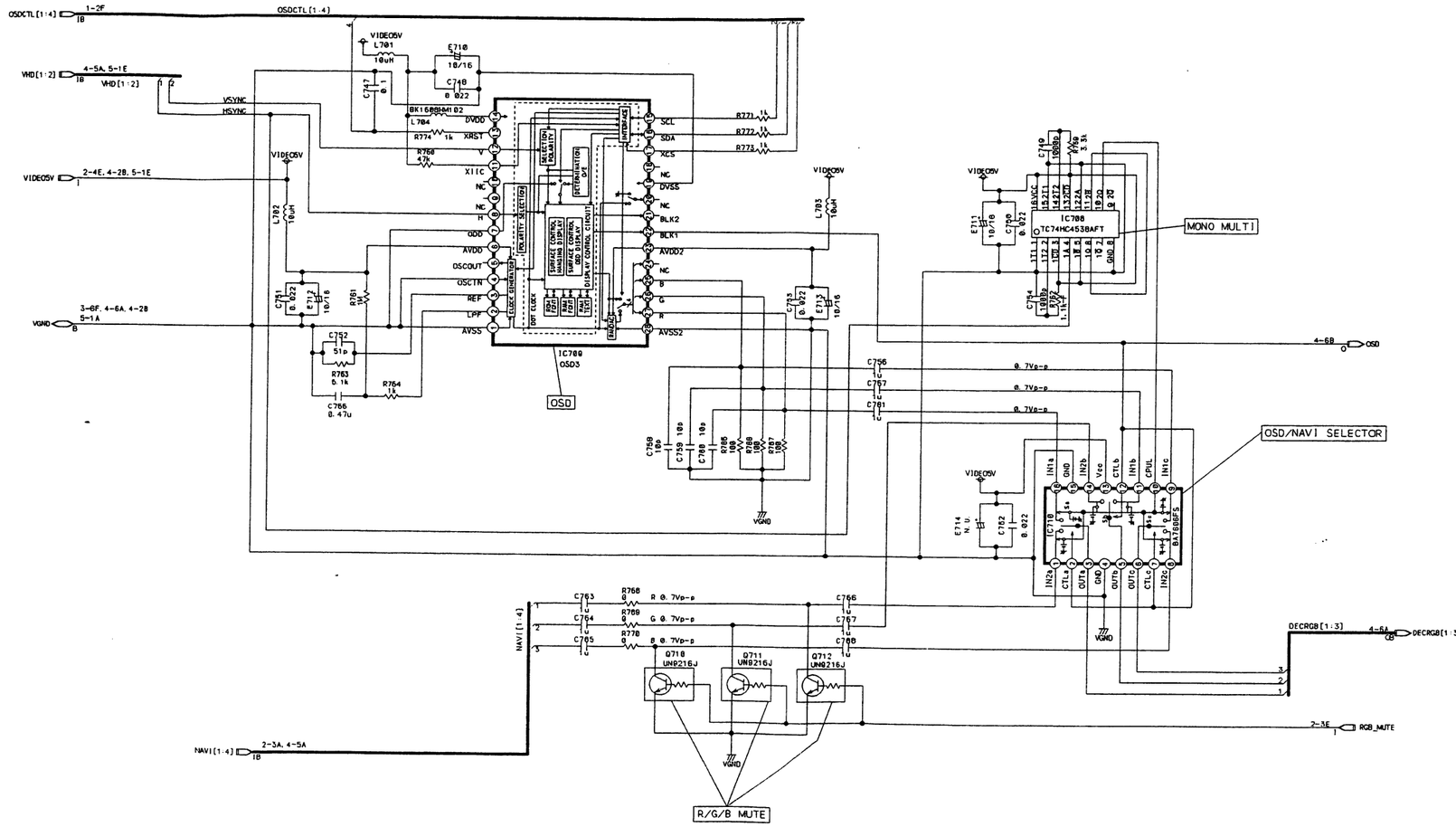
Schematic Digram (5/13)

CVA-1003R



CVA-1003R

Schematic Diagram(6/13)



Main P.W.Board(6/6)
OSD Block
NOTE:N.U. is Not Used Parts.

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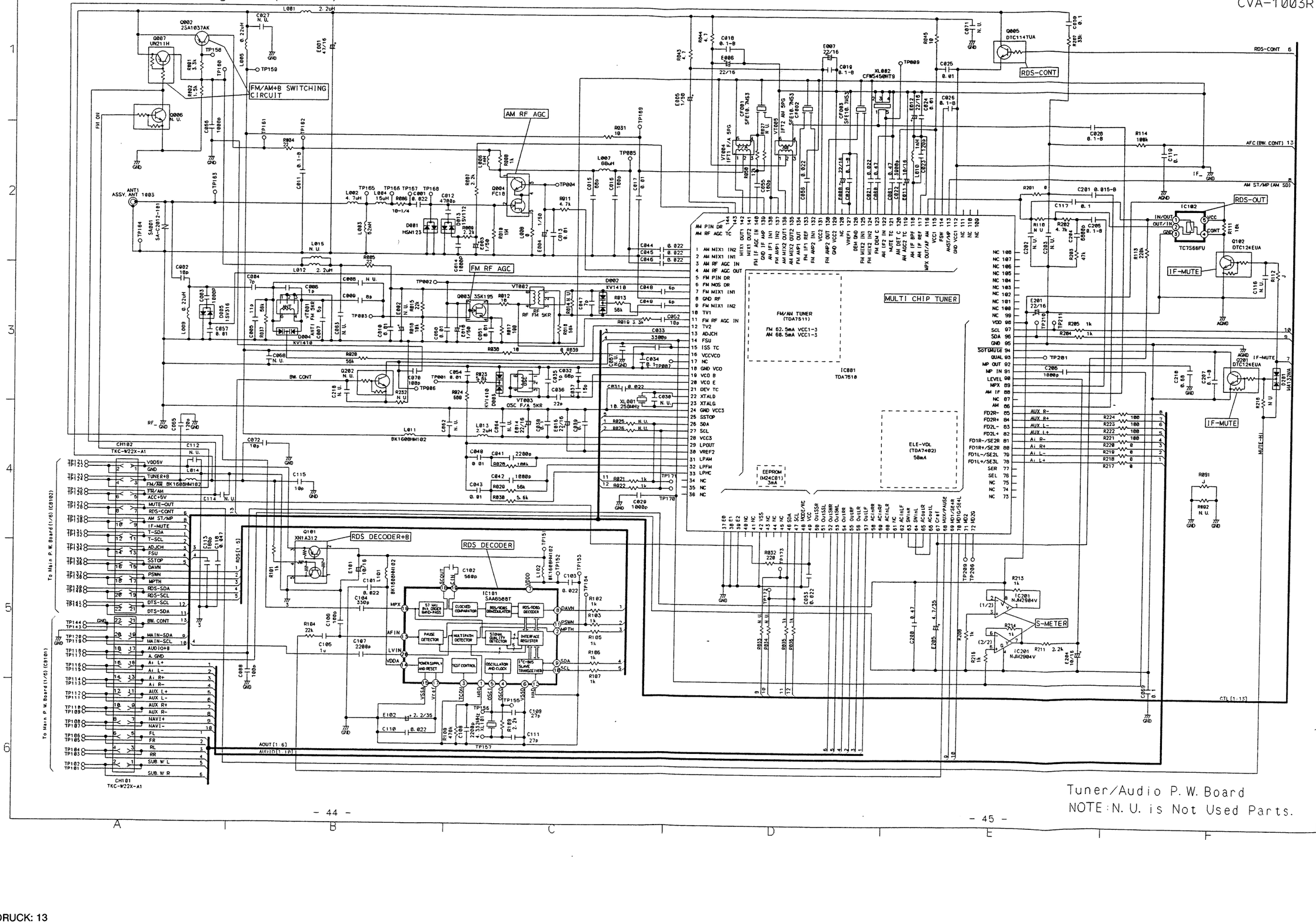
Schematic Diagram (7/13)

CVA-1003R



CVA-1003R

Schematic Diagram (8/13)

Caution: The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

LCD P. W. Board (1/2)

NOTE: N. U. is Not Used Parts.

	11
MODE	NTPC
NTSC	H
PAL	L

	16	20	21
MODE	MDS	MDW	MDN
FULL	H	H	H
WIDE1	H	H	L
NORM	H	L	H
CINEMA	H	L	L
WIDE2	L	H	H

	59	33
MODE	VR	HR
NORM	L	H
LR INV	L	L
UD INV	H	H
LRUD INV	H	L

	60	32
MODE	MOD1	MOD2
NORM	H	H
2PULSE	L	H
TEST	H	L
TEST	L	L

Schematic Diagram (9/13)

CVA-1003R

Caution: The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

TEMP	OFF: above 3.32V
+70C	3.524V
+60C	2.912V
+20C	1.863V

BACKLIGHT ON/OFF SWITCHING

NTSC/PAL SWITCHING

DIMMER ON/OFF SWITCHING

PWM CONTROL

BACKLIGHT CONTROL

DC/AC INVERTER CIRCUIT

From TOP-KEY P.W.Board(CH451)

From FPC MAIN P.W.Board(ⓓ)

From LCD. LQ065T5GG01(LCD7801)(ⓑ)

VCOM AMP CIRCUIT

V. SYNC BUFFER

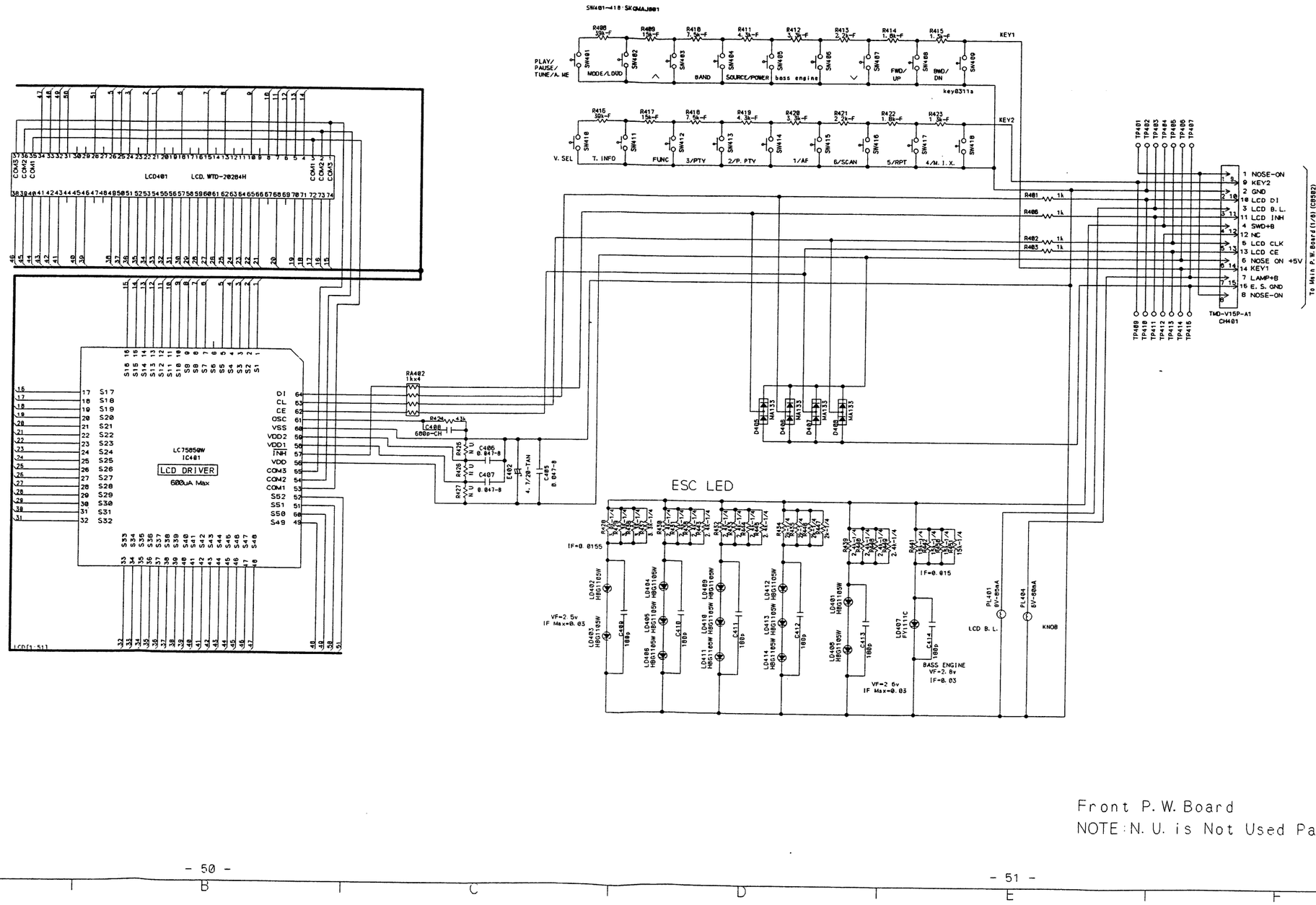
H. SYNC BUFFER

LCD P. W. Board (2/2)

NOTE: N. U. is Not Used Parts.

CVA-1003R

Schematic Diagram (10/13)

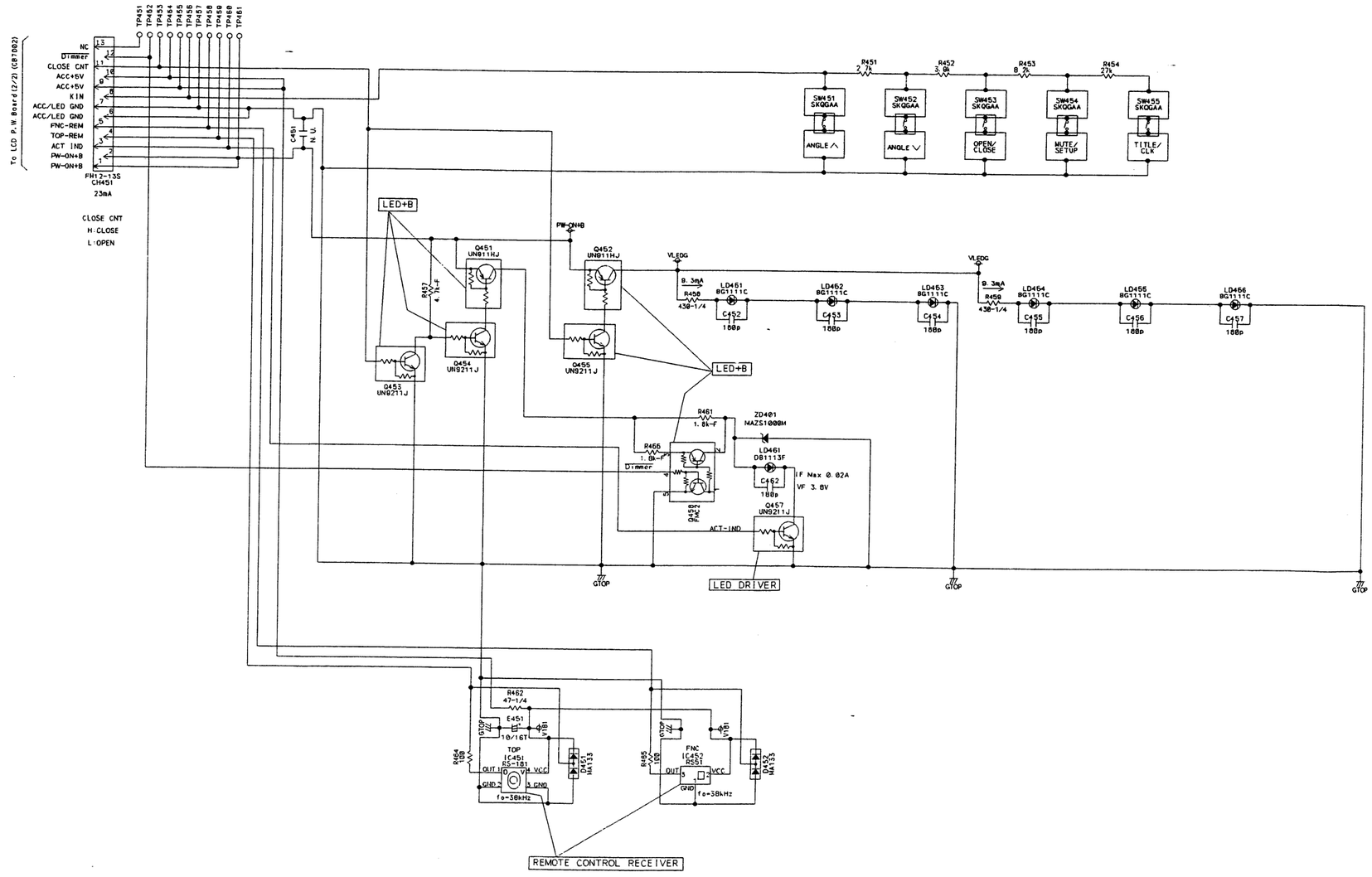


Front P. W. Board

NOTE : N. U. is Not Used Parts.

Schematic Diagram (11/13)

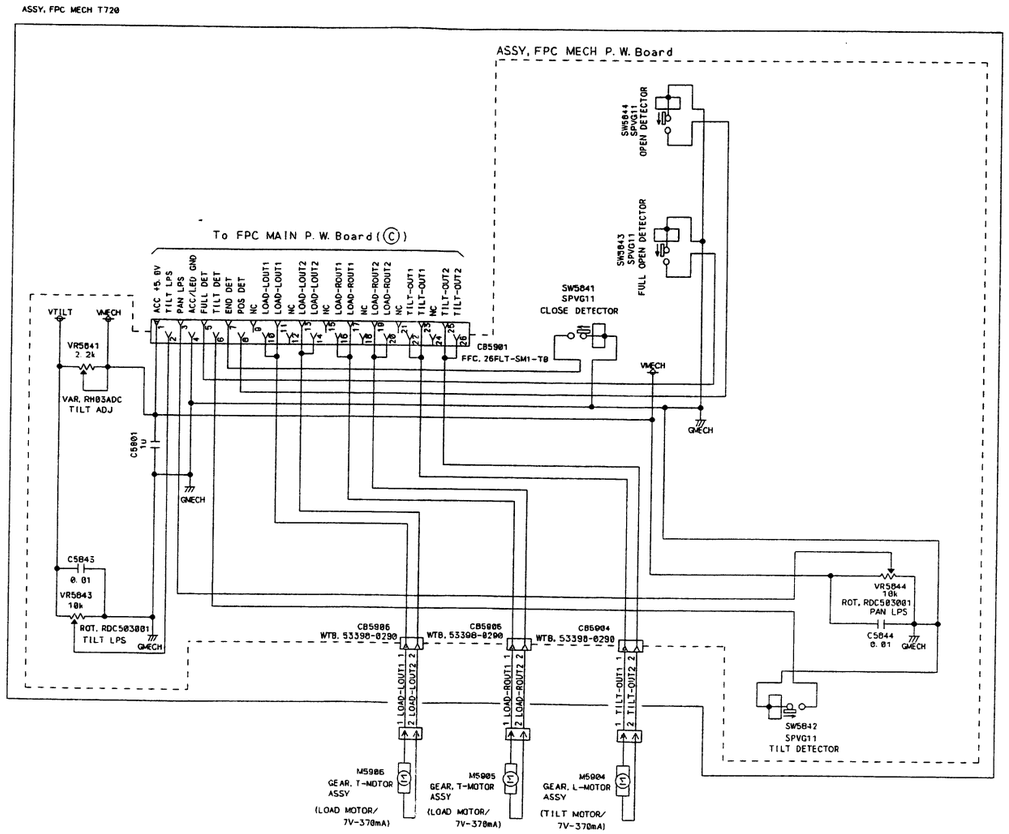
CVA-1003R



TOP-KEY P. W. Board

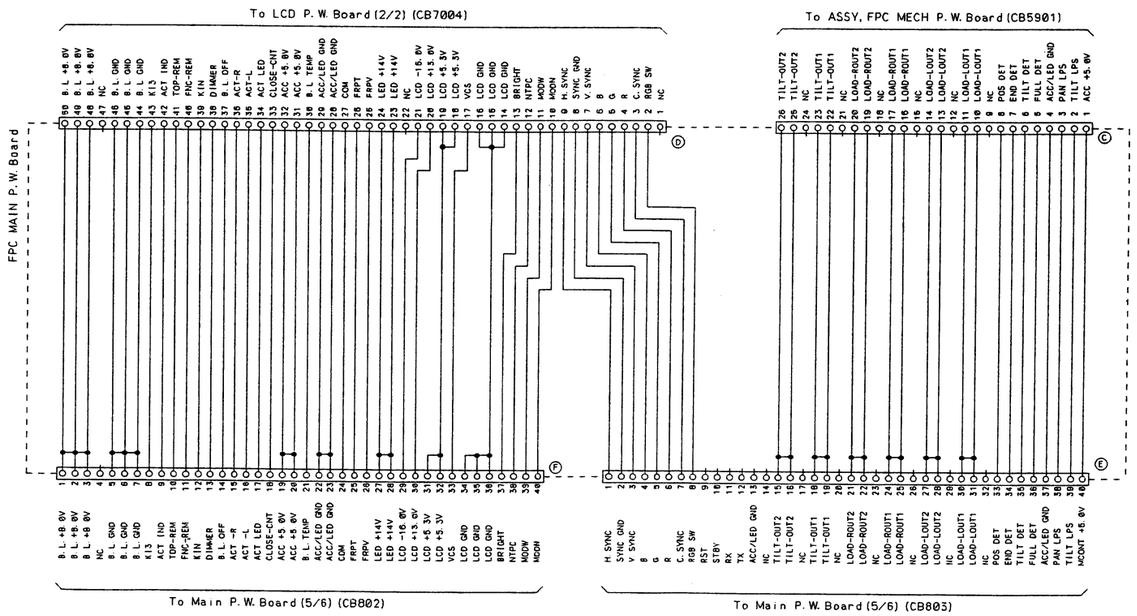
CVA-1003R

Schematic Diagram(12/13)



NOTE:Parts mounted inside of ASSY, FPC MECH T720
are not described on the Electrical Parts List.

Schematic Diagram (13/13)



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Terminal Voltage of IC/TR

IC001									
1	0	30	2.47	59	NC	88	4.35	117	—
2	0	31	2.47	60	NC	89	PS	118	—
3	0	32	2.47	61	NC	90	4.1	119	—
4	0	33	0	62	NC	91	0	120	—
5	0	34	NC	63	4.35	92	—	121	2.8
6	7.96	35	NC	64	4.35	93	0.1	122	3.2
7	1.94	36	NC	65	4.35	94	3.59	123	2.5
8	0	37	0	66	4.35	95	0	124	4.2
9	1.94	38	0	67	4.35	96	4.95	125	4.2
10	2.8	39	0	68	PS	97	4.95	126	0
11	0.73	40	NC	69	4.35	98	8.88	127	4.96
12	2.8	41	NC	70	4.35	99	NC	128	NC
13	0	42	0	71	4.35	100	NC	129	0
14	4.1	43	NC	72	4.35	101	NC	130	PS
15	0	44	NC	73	NC	102	NC	131	8.02
16	8.23	45	NC	74	NC	103	NC	132	1.98
17	0	46	4.95	75	NC	104	NC	133	1.98
18	0	47	4.95	76	NC	105	NC	134	3.98
19	3.83	48	0	77	NC	106	NC	135	8.27
20	3.23	49	4.95	78	4.32	107	NC	136	8.25
21	3.53	50	NC	79	4.32	108	NC	137	1.98
22	1.89	51	NC	80	4.32	109	NC	138	1.98
23	1.52	52	4.35	81	4.32	110	NC	139	0
24	0	53	4.35	82	4.32	111	NC	140	3.53
25	3.45	54	4.35	83	4.32	112	0	141	8.23
26	4.95	55	4.35	84	4.32	113	0	142	8.23
27	4.95	56	4.35	85	4.32	114	4.16	143	7.02
28	8.27	57	4.35	86	PS	115	8.18	144	0.1
29	2.93	58	NC	87	NC	116	PS		

IC101							
1	0	6	0	11	5	16	2.4
2	0	7	5	12	0	17	2.4
3	0	8	5	13	2	18	2.4
4	PS	9	5	14	5	19	2.4
5	PS	10	5	15	0	20	2.4

IC102	
1	4
2	4
3	0
4	8.3
5	8.3

IC200									
1	0	6	13.82	11	2.71	16	6.84	21	10.6
2	0	7	3.51	12	2.71	17	3.52	22	3.91
3	10.6	8	0	13	0	18	0	23	0
4	4.94	9	3.59	14	2.71	19	3.45	24	0
5	10.6	10	10.3	15	2.71	20	13.82	25	NC

IC201	
1	0
2	0
3	0
4	0
5	3.76
6	3.76
7	3.76
8	8.86

IC301			
1	PS	8	4.95
2	PS	9	4.91
3	PS	10	4.95
4	PS	11	NC
5	PS	12	0
6	PS	13	0
7	0	14	4.95

IC302	
1	5
2	0
3	0
4	0
5	0
6	PS
7	5
8	5

IC303	
1	0
2	0
3	0
4	4.93
5	4.93

IC304	
1	9.12
2	0
3	0
4	0
5	9.12
6	9.12
7	4.91
8	9.12

IC305	
1	0
2	0
3	0
4	0
5	0
6	4.92
7	0
8	4.92

IC306	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	4.92

IC307	
1	5
2	5
3	0
4	0
5	NC
6	0
7	0
8	5

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IC401									
1	PS	14	PS	27	PS	40	PS	53	0
2	PS	15	PS	28	PS	41	PS	54	0
3	PS	16	PS	29	PS	42	PS	55	0
4	PS	17	PS	30	PS	43	PS	56	5
5	PS	18	PS	31	PS	44	PS	57	PS
6	NC	19	PS	32	PS	45	PS	58	1.66
7	PS	20	PS	33	PS	46	PS	59	3.22
8	PS	21	PS	34	PS	47	PS	60	0
9	PS	22	PS	35	PS	48	PS	61	PS
10	PS	23	PS	36	PS	49	PS	62	PS
11	PS	24	PS	37	PS	50	PS	63	PS
12	PS	25	PS	38	PS	51	PS	64	PS
13	PS	26	PS	39	PS	52	PS		

IC451	
1	PS
2	0
3	0
4	5

IC452	
1	0
2	5
3	PS

IC501	
1	2.07
2	0
3	2.07
4	2.07
5	5

IC502			
1	5	9	NC
2	5	10	NC
3	NC	11	NC
4	5	12	NC
5	0	13	1.61
6	NC	14	0
7	NC	15	0
8	0	16	5

IC504									
1	0	21	NC	41	0	61	NC	81	5
2	NC	22	NC	42	NC	62	NC	82	NC
3	NC	23	5	43	NC	63	NC	83	NC
4	0	24	5	44	NC	64	NC	84	NC
5	NC	25	3.6	45	NC	65	NC	85	NC
6	NC	26	0	46	NC	66	NC	86	NC
7	NC	27	0	47	NC	67	NC	87	NC
8	NC	28	PS	48	0	68	NC	88	NC
9	5	29	0	49	NC	69	NC	89	NC
10	PS	30	3	50	NC	70	NC	90	NC
11	PS	31	NC	51	0	71	NC	91	NC
12	0	32	NC	52	0	72	0	92	5
13	0	33	0	53	5	73	NC	93	5
14	0	34	NC	54	5	74	NC	94	0
15	5	35	NC	55	NC	75	NC	95	PS
16	5	36	5	56	NC	76	0	96	PS
17	5	37	5	57	NC	77	NC	97	PS
18	NC	38	5	58	NC	78	0	98	PS
19	PS	39	5	59	NC	79	NC	99	0
20	PS	40	5	60	NC	80	NC	100	0

IC506									
1	PS	21	1.6	41	0	61	0	81	5
2	PS	22	0	42	5	62	0	82	4.87
3	PS	23	0	43	5	63	0	83	0
4	0	24	5	44	0	64	0	84	5
5	5	25	5	45	PS	65	5	85	5
6	0	26	4.34	46	PS	66	5	86	0
7	5	27	2.08	47	PS	67	0	87	5
8	5	28	2.47	48	5	68	0	88	5
9	5	29	0	49	5	69	0	89	5
10	PS	30	5	50	0	70	0	90	0
11	PS	31	5	51	0	71	0	91	5
12	0	32	NC	52	5	72	0	92	0
13	PS	33	0	53	5	73	5	93	0
14	2.36	34	0	54	5	74	5	94	0
15	5	35	NC	55	5	75	5	95	PS
16	5	36	5	56	5	76	5	96	PS
17	5	37	0.6	57	5	77	0	97	5
18	0	38	0	58	5	78	5	98	5
19	0	39	0	59	5	79	5	99	1.76
20	0	40	0	60	0	80	5	100	5

IC505	
1	0
2	0
3	0
4	0
5	5
6	5
7	0
8	5

IC701	
1	NC
2	0
3	0
4	5
5	5

IC704					
1	NC	17	0	33	PS
2	2.03	18	0	34	PS
3	2.43	19	PS	35	0.8
4	NC	20	2.89	36	2.08
5	0	21	PS	37	2.28
6	2.12	22	2.89	38	PS
7	NC	23	7.84	39	PS
8	2.96	24	PS	40	PS
9	NC	25	2.95	41	PS
10	NC	26	2.34	42	PS
11	0.2	27	1.35	43	PS
12	NC	28	2.23	44	1.27
13	2.08	29	2.05	45	2.57
14	4.15	30	2.16	46	2
15	2.48	31	2	47	3.08
16	PS	32	PS	48	2

IC703	
1	NC
2	0
3	0
4	4.93
5	4.93

IC705	
1	0
2	0
3	0
4	0.12
5	0
6	4.93
7	0.12
8	4.93

IC706			
1	PS	9	PS
2	4.94	10	4.94
3	4.94	11	4.94
4	NC	12	NC
5	PS	13	PS
6	0	14	0
7	PS	15	PS
8	0	16	4.94

IC707	
1	PS
2	0
3	0
4	0
5	0
6	PS
7	PS
8	5

IC708			
1	0	9	NC
2	PS	10	PS
3	4.95	11	PS
4	PS	12	0
5	4.95	13	1.95
6	PS	14	PS
7	NC	15	0
8	0	16	4.95

IC709							
1	0	8	PS	15	PS	22	PS
2	PS	9	NC	16	PS	23	4.9
3	PS	10	NC	17	PS	24	NC
4	0	11	4.95	18	NC	25	PS
5	4.95	12	PS	19	0	26	PS
6	4.95	13	4.95	20	NC	27	PS
7	0	14	4.9	21	0	28	0

IC710			
1	2.88	9	PS
2	PS	10	PS
3	9.74	11	PS
4	0	12	PS
5	PS	13	4.94
6	PS	14	2.87
7	PS	15	0
8	2.87	16	PS

IC712	
1	PS
2	0
3	0
4	0
5	0
6	0
7	PS
8	4.93

IC713	
1	PS
2	PS
3	0
4	0
5	NC
6	PS
7	PS
8	4.93

IC801	
1	3.15
2	4.85
3	2.64
4	0
5	NC
6	5
7	5
8	5

IC802	
1	0
2	2.94
3	1.97
4	0
5	2.42
6	0
7	4.95
8	4.95

IC807	
1	PS
2	13.58
3	1.03
4	0.93
5	0
6	2.33
7	0.89
8	0

IC808									
1	NC	6	0	11	NC	16	9.74	21	8.4
2	NC	7	0	12	NC	17	9.74	22	NC
3	NC	8	0	13	NC	18	0	23	NC
4	NC	9	0	14	NC	19	0	24	NC
5	0	10	NC	15	NC	20	0	25	NC

IC810									
1	NC	6	0	11	NC	16	9.74	21	6.92
2	NC	7	0	12	NC	17	9.74	22	NC
3	NC	8	0	13	NC	18	0	23	NC
4	NC	9	0	14	NC	19	0	24	NC
5	0	10	NC	15	NC	20	0	25	NC

IC811									
1	NC	6	0	11	NC	16	9.74	21	6.92
2	NC	7	0	12	NC	17	9.74	22	NC
3	NC	8	0	13	NC	18	0	23	NC
4	NC	9	0	14	NC	19	0	24	NC
5	0	10	NC	15	NC	20	0	25	NC

IC813			
1	PS	9	8
2	0	10	PS
3	0.68	11	0.47
4	0.68	12	0.32
5	0.42	13	0.47
6	0.54	14	1.16
7	PS	15	1.73
8	0	16	1.16

IC814	
1	9.51
2	0
3	7.98

IC815	
1	7.69
2	0
3	4.92

IC816	
1	5.9
2	0
3	2.42

IC7001							
1	PS	19	0	37	PS	55	0
2	PS	20	4.96	38	2.84	56	0
3	0	21	4.96	39	0	57	PS
4	PS	22	PS	40	0	58	0
5	5.21	23	0	41	0	59	5.21
6	PS	24	5.21	42	0	60	5.21
7	0	25	5.21	43	PS	61	0
8	PS	26	0	44	PS	62	0
9	0	27	5.21	45	5.21	63	0
10	0	28	PS	46	0	64	0
11	4.77	29	0	47	PS	65	5.21
12	PS	30	PS	48	5.21	66	0
13	5.21	31	0	49	5.11	67	5.21
14	5.21	32	5.21	50	5.11	68	0
15	5.21	33	5.21	51	5.21	69	5.21
16	5.21	34	NC	52	0	70	PS
17	0	35	5.21	53	0	71	PS
18	NC	36	PS	54	0	72	0

IC7002	
1	0
2	0
3	0.5
4	1.37
5	1.35

IC7003	
1	0
2	1.37
3	0
4	1.37
5	0
6	0
7	0
8	0

IC7004	
1	PS
2	0
3	PS
4	0
5	PS
6	0
7	PS
8	5.27

IC7005	
1	0
2	NC
3	6.44
4	0
5	PS
6	PS
7	PS
8	12.97

	1	2	3	4
Q003	2.46	7.92	7.87	1

	G	S	D
Q831	13.5	PS	PS

	1	2	3	4	5	6
Q204	0	0	0	0	NC	0
Q206	0	0	0	0	NC	0

	1	2	3	4	5
Q004	0	0	0	NC	0
Q101	0.2	5	5	8.3	0
Q207	NC	0	13.5	0	0
Q210	NC	13.5	13.5	5	0
Q458	NC	9.4	13.2	0	0
Q505	NC	0	0	1.68	5
Q802	NC	4.89	4.92	5.76	0
Q809	NC	13.7	13.7	4.93	0
Q811	NC	13.7	13.7	4.93	0
Q835	0	13.4	PS	PS	PS
Q842	0	4.16	13.7	13.7	NC
Q846	NC	4.93	4.96	4.16	4.96
Q862	NC	13.6	13.6	7.26	0
Q7007	0	7.8	PS	PS	PS
Q7013	PS	PS	PS	12.91	0
Q7014	PS	PS	PS	12.96	0

	E	C	B		E	C	B	MODE
Q002	8.25	0.3	8.2	Q707	0	0	5	
Q005	0	4	0	Q708	0	0	0	
Q007	8.26	8.2	0.3	Q709	0	4.25	0	
Q102	0	8.3	0	Q710	0	0	4.24	
Q201	0	3.58	0	Q711	0	0	4.24	
Q202	0	0	5	Q712	0	0	4.24	
Q208	0	0	5	Q801	4.95	4.95	4.24	
Q209	0	0	4	Q803	13.7	13.7	13	
Q301	4.95	0	4.95	Q804	8.32	13.4	8.88	
Q302	0	4.93	0	Q805	0	0	4.09	
Q303	0	0	4.92	Q806	5.61	8.88	6.24	
Q304	0	0	0	Q808	13.6	13.6	13	
Q305	5	5	5	Q810	0	10.6	0.5	
Q306	0	8.85	0	Q812	0	0	5	
Q451	13.5	13.2	0	Q813	4.95	1.97	4.95	
Q452	13.5	0	13.5	Q814	4.95	1.98	4.95	
Q453	0	8.7	0	Q815	0	2.94	0	
Q454	0	0	8.7	Q816	5	5	0	
Q455	0	13.5	0	Q817	13.6	13.6	13	
Q457	0	0	5	Q818	13.7	0	13.7	
Q502	0.88	0	0.35	Q819	13.6	13.6	13	
Q503	5	5	0	Q820	0	13.7	0	
Q504	0	0	5	Q821	0	0	14	
Q506	0	0	5	Q822	0	0	1.66	
Q601	8	0	7.88	Q823	0	5	0	
Q602	0	8	0	Q824	0	13.5	0	
Q603	6.4	7.87	6.95	Q825	0	5	0	
Q604	3.28	8	3.88	Q826	0	5	0	DIMMER OFF
Q605	8	0	8	Q827	8.86	13.8	9.4	
Q606	0	8	0	Q828	14	5	13.4	
Q607	0	0	4.24	Q830	13.7	13.6	12.9	
Q608	8	8	8	Q833	0	0	13.8	
Q609	8	0	8	Q839	8.37	9.68	8.76	
Q610	0	8	0	Q840	0	0.88	0	
Q611	0	0	4.24	Q841	0	0.88	0	
Q612	8	8	8	Q843	0	0.4	0	
Q613	0	0	4.24	Q844	6.88	9.68	7.27	
Q614	8	8	8	Q850	9.69	13.5	10.16	
Q615	0	8	0	Q851	9.69	13.5	10.16	
Q616	8	8	8	Q852	9.69	13.5	10.16	
Q617	0	8	0	Q853	9.69	13.5	10.16	
Q618	0	8	0	Q854	8.04	13.6	8.55	
Q620	8	0	8	Q855	8.04	13.6	8.55	
Q621	6.16	6.95	0.3	Q857	0	PS	PS	
Q701	0	0	5	Q858	7.94	PS	PS	
Q702	1.3	0	2	Q859	9.76	13.6	10.32	
Q703	0	0.3	0	Q860	9.76	13.6	10.32	
Q704	0.5	0	0	Q861	9.76	13.6	10.32	
Q705	0.5	0	0	Q7001	PS	PS	PS	

	E	C	B
Q7002	0.3	PS	0.3
Q7003	0.3	0.3	4.76
Q7004	0.3	4.95	0.3
Q7005	0.3	PS	PS
Q7006	0.3	PS	PS
Q7008	0.3	PS	PS
Q7009	0.3	PS	PS
Q7010	0.3	0.3	2.82
Q7011	0.3	PS	PS
Q7012	PS	PS	PS
Q7015	0.3	0.3	4.76

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : FM : 98.1MHz (75kHz Mod./400Hz/60dB)
  Vol. : 1 click
  Monitor : OPEN
  Audio Output : connect 4ohm

Description of IC Terminal

D78F4218AGC : IC506

No.	Symbol	I/O	Terminal Description
1	LCD-CE	O	CE signal output terminal to LC75850W.
2	CLD-CLK	O	Serial clock signal output terminal to LC75850W.
3	LCD-DO	O	Serial data output terminal to LC75850W.
4	AM ST/MP(AM SD)	I	AM station detection signal input terminal.
5	ACT-IND	O	LCD control terminal for ACT IND.
6	CLOSE-CNT	O	Lighting switching of shuttle part/remote control receiver switching control terminal.
7	NOSE PWR ON	O	Power supply control terminal of DF Nose.
8	LCD ON	O	Back lighting control terminal of Sub LCD.
9	VDD	-	Connected with VDD+5V.
10	X2	-	Crystal conneted for Main system clock oscillation. (12.28MHz)
11	X1		
12	VSS	-	Connected with GND.
13	XT2	-	Crystal conneted for Sub system clock oscillation. (32.768KHz)
14	XT1		
15	$\overline{\text{RESET}}$	I	System reset signal input terminal.
16	BATT-DET	I	Input terminal of compulsion stand-by detection.
17	ACC-DET	I	ACC stand-by control terminal.
18	LDR MTR2	O	Motor drive output terminal for horizontal movement adjustment.
19	BUS-IN	I	Ai-NET BUS input terminal.
20	BUS-OUT	O	Ai-NET BUS output terminal.
21	Fin	I	IS BUS frame signal input terminal.
22	NC	-	No connect terminal.
23	AVDD	-	Connected with VDD+5V.
24	AVREF0		
25	KEY IN	I	Key input terminal of Monitor part.
26	TILT LPS	I	Tilt angle detection signal input terminal.
27	LCD TEMP	I	LCD temperature detection signal input terminal.
28	NOSE DET	I	DF Nose installation condition detection input terminal.
29	S-METER(PULL-DOWN)	-	Pull-down connect terminal.
30	KEY1	I	Key input terminal of DF part.
31	KEY2		
32	NC	-	No connect terminal.
33	AVSS	-	Connected with GND.
34	T-MUTE(PULL-DOWN)	-	Pull-down connect terminal.
35	STANDBY	O	Stand-by signal output terminal to RDS u-COM.
36	AVREF1	-	Connected with VDD+5V.
37	IS BUS RX	I	UART receiving terminal of IS BUS.
38	IS BUS TX	O	UART transmitting terminal of IS BUS.
39	Fout	O	Frame signal output terminal of IS BUS.
40	NC(RXD)	-	No connect terminal.
41	NC(TXD)		
42	T-I2C CLK	O	I2C clock output terminal for FM/AM Tuner (TDA7511)control.
43	T-I2C DATA	O	I2C data output terminal for FM/AM Tuner (TDA7511)control.
44	EXT BOX ON	O	Selector switching output terminal at connecting outer extended BOX.
45	OSD LATCH	O	OSD communication latch signal output terminal.

No.	Symbol	I/O	Terminal Description
46	OSD DATA	O	OSD communication data signal output terminal.
47	OSD CLK	O	OSD communication clock signal output terminal.
48	OSD RESET	O	Reset signal output terminal to OSD.
49	REM SEL3	O	Remote Control signal switching control outoput terminal to Outer Unit.
50	DD-SHIFT2	O	Frequency control signal output terminal of D/D converter. (H : LW, L : Other)
51	IN-INT	I	IN-INT signal input terminal.
52	PWR IC ON	O	Power supply control output terminal of Power IC.
53	P.ANT	O	Control output terminal of Power Antenna.
54	TUNER ON	O	Tuner power supply control output terminal.
55	REM SEL1	O	Remote Control signal switching control outoput terminal to Outer Unit.
56	REM SEL2		
57	O.REM	O	Remote signal output control terminal of Outer Unit.
58	P.CONT	O	Control terminal of Power Control.
59	$\overline{\text{A.MUTE1}}$	O	Main audio mute signal output terminal.
60	AREA SEL2	I	Area setting input terminal.
61	AREA SEL1		
62	SSTOP	I	FM/AM station detection signal input terminal.
63	NRGB	I	NTSC/RGB signal input terminal from Navigation.
64	DAC LOAD	O	LOAD data output terminal to D/A converter(uPD6325G).
65	DAC CLK	O	CLOCK data output terminal to D/A converter(uPD6325G).
66	DAC DATA	O	DATA output terminal to D/A converter(uPD6325G).
67	NAVI/AUX	O	NTSC NAVI/AUX video switching terminal at un-connecting extended BOX. Hi:NAVI
68	DD-SHIFT1	O	Frequency control signal output terminal of D/D converter. (L : 143KHz, H : 300KHz)
69	IS BUS REQ	O	IS BUS REQIS BUS communication control terminal.
70	$\overline{\text{A.MUTE2}}$	O	MUTE signal output terminal to Outer Interface BOX.
71	V.MUTE	O	Video MUTE signal output terminal.
72	VSS	-	Connected with GND.
73	PARKING	I	Parking brake signal input terminal.
74	FOOT PARK(PULL-UP)	-	Pull-up connect terminal.
75	GUID CONT	I	Guide signal input terminal from Navigation.
76	M.CONT	O	Motor power supply signal output terminal.
77	RGB/COM	O	RGB/Composite signal switching control terminal. Hi:RGB, Lo:COMPOSITE
78	NTSC/PAL	O	NTSC/PAL form signal switching control terminal. Hi:NTSC, Lo:PAL
79	MODE W	O	Wide mode control terminal.
80	MODE N		
81	VDD	-	Connected with VDD+5V.
82	DIMMER OUT	O	Output terminal for Dimmer control of LCD.
83	BUZZER	O	Buzzer output terminal.
84	DIMMER IN	I	Dimmer signal input terminal.
85	B.L.OFF	O	Back lighting control terminal of Monitor.
86	FULL SW	I	Full position detection signal input terminal.
87	END SW	I	Storage position detection signal input terminal.
88	POS SW	I	Discharge position detection signal input terminal.
89	TLT SW	I	Horizontal position detection signal input terminal.
90	LDR MTR1	O	Motor drive output terminal for horizontal movement adjustment.
91	REMOCON	I	Remote Control signal input terminal.
92	TLT MTR1	O	Motor drive output terminal for TILT angle adjustment.
93	TLT MTR2		

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No.	Symbol	I/O	Terminal Description
94	TEST/VPP	-	Connected with GND.
95	I2C CLK	O	Clock signal output terminal to Tuner/E-VOL/E2PROM.
96	I2C DATA	I/O	Data signal input/output terminal to Tuner/E-VOL/E2PROM.
97	I/F CLK	O	Clock signal output terminal to Outer Interface BOX.
98	I/F DATA	I/O	Data signal input/output terminal to Outer Interface BOX.
99	FM/$\overline{AM}$	O	FM/AM power supply control output terminal.
100	LCD INH	O	INH signal output terminal to LC75850W.

D78F4216AGC : IC504

No.	Symbol	I/O	Terminal Description
1	IF MUTE	O	IF MUTE control terminal. H : ON
2	NC	-	No connect terminal.
3			
4	RDS-CONT	O	RDS data input prevention control terminal of adjoining station. H : RDS OFF
5	$\overline{IF\ MUTE}$	O	IF MUTE control terminal. L : ON
6	NC	-	No connect terminal.
7			
8			
9	VDD	-	Connected with VDD+5V.
10	X2	-	Crystal conneted for Main system clock oscillation. (12.288MHz)
11	X1		
12	VSS	-	Connected with GND.
13	XT2(NC)	-	No connect terminal.
14	XT1(GND)	-	Connected with GND.
15	$\overline{RESET}$	I	System reset input terminal.
16	BATT-DET	I	Input terminal of compulsion stand-by detection.
17	STANDBY	I	Stand-by signal input terminal from MAIN u-COM.
18	NC	O	No connect terminal.
19	Fin	I	IS BUS frame signal input terminal.
20	IS BUS REQ	O	IS BUS REQIS BUS communication control terminal.
21	NC	-	No connect terminal.
22			
23	AVDD	-	Connected with VDD+5V.
24	AVREF0		
25	S-METER	I	Field strength input terminal of AM/FM.
26	MULTIPATH	I	Multipath input terminal of RDS Decoder.
27	ADJCH-DET	I	Adjoining station detection input terminal.
28	SSTOP	I	FM station detection signal input terminal.
29	AM SD	I	AM station detection signal input terminal.
30	AFC	I	FM station detection signal input terminal.
31	NC	-	Connected with GND.
32			
33	AVSS	-	Connected with GND.
34	NC	-	No connect terminal.
35			
36	AVREF1	-	Connected with VDD+5V.

No.	Symbol	I/O	Terminal Description
37	IS BUS Rx	I	UART receiving terminal of IS BUS.
38	IS BUS Tx	O	UART transmitting terminal of IS BUS.
39	Fout	O	Frame signal output terminal of IS BUS.
40	MONITOR RxD	I	Command input terminal from RDS monitor (PC).
41	MONITOR TxD	O	Status output terminal to RDS monitor (PC).
42 ~ 47	NC	-	No connect terminal.
48	T-MUTE	O	MUTE signal output terminal to MAIN u-COM.
49 ~ 50	NC	-	No connect terminal.
51	MARKET1	I	Area setting input terminal.
52	MARKET2		
53	MARKET3		
54	$\overline{\text{AUTO-ADJ}}$	I	Auto adjustment start signal input terminal of FM/AM Tuner. L : start
55 ~ 71	NC	-	No connect terminal.
72	VSS	-	Connected with GND.
73 ~ 80	NC	-	No connect terminal.
81	VDD	-	Connected with VDD+5V.
82 ~ 91	NC	-	No connect terminal.
92	$\overline{\text{PAUSE}}$	I	Audio signal detection terminal.
93	$\overline{\text{DAVN}}$	I	RDS data available input terminal of RDS Decoder(SAA6588T).
94	TEST/VPP	-	Connected with VSS.
95	RDS DATA	I/O	Data input/output terminal to RDS Decoder(SAA6588T).
96	RDS CLK	O	Clock output terminal to RDS Docoder(SAA6588T).
97	I2C CLOCK	O	I2C clock output terminal to TUNER/E2PROM.
98	I2C DATA	I/O	I2C data input/output terminal to TUNER/E2PROM.
99	$\overline{\text{TUNER ON}}$	O	Tuner power supply control output terminal. L : ON
100	$\overline{\text{FM/AM}}$	O	FM/AM power supply control output terminal. L : FM

CVA-1003R

Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations

RES.= Resistor	CAP.= Capacitor
C.F.= Carbon Film	ELY.= Electrolytic
M.F.= Metal Film	CER.= Ceramic
M.O.= Metal OxideFilm	MYL.= Mylar
M.P.= Metal Plate	TAN.= Tantalum
TR. = Transistor	POLY.= Polystyrol
TRANS.= Transformer	PP. = Polypropylene
CP. = Chip	PLT.= Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC200	51T45495Y01	TA8270H -ZS
IC301	51T25083Y01	TC74VHC32FT-EL -SE5
IC302	51T25404Y02	TC7W53FU-TE12L -SE1
IC303	51T15731W01	TC7S00F-TE85L -CP
IC304	51T45178W03	TC4W53FU-TE12L -SE1
IC305	51T25404Y02	TC7W53FU-TE12L -SE1
IC306	51T25404Y02	TC7W53FU-TE12L -SE1
IC307	51T85196W04	TC7W14FU-TE12L -SE1
IC501	51T15605Y01	NJM2130F-TE1 -CP
IC502	51T35479W03	UPD6325G-E1 -SE6
IC504	51T35566Y26	MTP,D78F4216AGC -QT
IC505	51T25160Y01	M24C04-WMN6T -SE2
IC506	51T35568Y85	MTP,D78F4218AGC -QT
IC701	51T15731W05	TC7S04F-TE85L -CP
IC702	51T25404Y02	TC7W53FU-TE12L -SE1
IC703	51T15731W05	TC7S04F-TE85L -CP
IC704	51T95022W02	IR3Y29BM -QT
IC705	51T25404Y01	TC7W53F-TE12L -SE2
IC706	51T25151Y01	TC74VHC221AFS-EL-SE5
IC707	51T15567Y01	NJM2535V-TE2 -SE2
IC708	51T15457Y01	TC74HC4538AFT-EL-SE5
IC709	51T45491Y01	OSD3 -SE9
IC710	51T25407Y02	BA7606FS-E2 -SE5
IC712	51T85196W05	TC7W32FU-TE12L -SE1
IC713	51T85196W04	TC7W14FU-TE12L -SE1
IC801	51T85450W01	TDA3606 -SE2
IC802	51T93332F02	NJM2903V-TE2 -SE2
IC807	51T75523W01	TL5001 -SE6
IC808	51T75628W02	BA6285AFP-Y-E2 -SE9
IC810	51T75628W02	BA6285AFP-Y-E2 -SE9
IC811	51T75628W02	BA6285AFP-Y-E2 -SE9
IC813	51T25449Y01	AN8018SA-E1 -SE2
IC814	51T25045Y06	AN7708SP-TX -NE5
IC815	51T25045Y03	AN7705SP-TX -NE5
IC816	51T25579Y01	TA76431F-TE12L -NE2

Symbol No.	Part No.	Description
Transistors/FET		
Q204	48T25317Y01	TR,XN0F256-TX -CP
Q206	48T25317Y01	TR,XN0F256-TX -CP
Q207	48T73888F12	TR ,CP.FMC2-99
Q208	48T94606F03	TR,DTC124EUA-T106-CP
Q209	48T94606F03	TR,DTC124EUA-T106-CP
Q210	48T73888F12	TR ,CP.FMC2-99
Q301	48T94581F01	TR,2SA1576A-T106 -CP
Q302	48T94606F06	TR,DTC114EUA-T106-CP
Q303	48T94606F06	TR,DTC114EUA-T106-CP
Q304	48T94606F06	TR,DTC114EUA-T106-CP
Q305	48T63417F01	TR ,CP.2SC2412K -96
Q306	48T94606F06	TR,DTC114EUA-T106-CP
Q502	48T94581F01	TR,2SA1576A-T106 -CP
Q503	48T64221F11	TR,UN211L-TX -CP
Q504	48T64222F02	TR ,UN2212 22-22 -TX
Q505	48T73888F12	TR ,CP.FMC2-99
Q506	48T94606F03	TR,DTC124EUA-T106-CP
Q601	48T94581F01	TR,2SA1576A-T106 -CP
Q602	48T94582F01	TR ,CP 2SC4081-Q
Q603	48T94582F01	TR ,CP 2SC4081-Q
Q604	48T94582F01	TR ,CP 2SC4081-Q
Q605	48T94581F01	TR,2SA1576A-T106 -CP
Q606	48T94582F01	TR ,CP 2SC4081-Q
Q607	48T94606F06	TR,DTC114EUA-T106-CP
Q608	48T94582F01	TR ,CP 2SC4081-Q
Q609	48T94581F01	TR,2SA1576A-T106 -CP
Q610	48T94582F01	TR ,CP 2SC4081-Q
Q611	48T94606F06	TR,DTC114EUA-T106-CP
Q612	48T94582F01	TR ,CP 2SC4081-Q
Q613	48T94581F01	TR,2SA1576A-T106 -CP
Q614	48T94582F01	TR ,CP 2SC4081-Q
Q615	48T94606F06	TR,DTC114EUA-T106-CP
Q616	48T94582F01	TR ,CP 2SC4081-Q
Q617	48T94581F01	TR,2SA1576A-T106 -CP
Q618	48T94582F01	TR ,CP 2SC4081-Q
Q620	48T94582F01	TR ,CP 2SC4081-Q
Q701	48T94606F03	TR,DTC124EUA-T106-CP
Q702	48T94581F01	TR,2SA1576A-T106 -CP
Q703	48T94606F01	TR,DTC144EUA-T106-CP
Q704	48T94581F01	TR,2SA1576A-T106 -CP
Q705	48T94581F01	TR,2SA1576A-T106 -CP
Q707	48T94606F03	TR,DTC124EUA-T106-CP
Q708	48T94606F03	TR,DTC124EUA-T106-CP
Q709	48T25137Y02	TR,UN9212J-TX -CP
Q710	48T25137Y06	TR,UN9216J-TX -CP

Symbol No.	Part No.	Description
Q711	48T25137Y06	TR, UN9216J-TX -CP
Q712	48T25137Y06	TR, UN9216J-TX -CP
Q801	48T73022F01	TR , 2SB766A
Q802	48T45594W12	TR , XN1A312 -TX-CP
Q803	48T69177F01	TR , 2SA1358-O, Y
Q804	48T92368F01	TR, 2SD1760 F-5. T2-E5
Q805	48T62967F05	TR, DTC143XKA-T146-CP
Q806	48T52438F01	TR , 2SD601A-RS/TX-CP
Q808	48T65256W03	TR , 2SD2136-R -RD
Q809	48T73888F12	TR , CP. FMC2-99
Q810	48T52438F01	TR , 2SD601A-RS/TX-CP
Q811	48T45594W12	TR , XN1A312 -TX-CP
Q812	48T94606F06	TR, DTC114EUA-T106-CP
Q813	48T52437F01	TR , 2SB709A-QR/TX-CP
Q814	48T94606F56	TR, DTA114EUA-T106-CP
Q815	48T52438F01	TR , 2SD601A-RS/TX-CP
Q816	48T62966F01	TR, DTA143EKA-T146-CP
Q817	48T84366F04	TR, 2SB1243-QR-TV2-RD
Q818	48T63420F01	TR, 2SA1037AK-146 -CP
Q819	48T84366F04	TR, 2SB1243-QR-TV2-RD
Q820	48T62967F03	TR, DTC124EKA-T146-CP
Q821	48T94606F13	TR, DTC123EUA-T106-CP
Q822	48T94606F13	TR, DTC123EUA-T106-CP
Q824	48T62967F03	TR, DTC124EKA-T146-CP
Q825	48T62966F01	TR, DTA143EKA-T146-CP
Q826	48T64222F02	TR , UN2212 22-22 -TX
Q827	48T35586W01	TR , 2SC3518-Z -NE5
Q828	48T75601W01	TR, 2SB1417-P -RD
Q830	48T80612F01	CP. 2SB1188-QR-101-E2
Q831	48T75133W01	FET, 2SJ327-Z-E1 -E5
Q833	48T62967F01	TR, DTC143EKA-T146-CP
Q835	48T45230W03	TR, FMY1A-T148 -CP
Q839	48T94582F01	TR , CP 2SC4081-Q
Q840	48T94606F03	TR, DTC124EUA-T106-CP
Q841	48T94606F03	TR, DTC124EUA-T106-CP
Q842	48T25736Y02	TR, UMC3N-TR -CP
Q843	48T94606F03	TR, DTC124EUA-T106-CP
Q844	48T94582F01	TR , CP 2SC4081-Q
Q846	48T73888F12	TR , CP. FMC2-99
Q850	48T35586W01	TR , 2SC3518-Z -NE5
Q851	48T35586W01	TR , 2SC3518-Z -NE5
Q852	48T35586W01	TR , 2SC3518-Z -NE5
Q853	48T35586W01	TR , 2SC3518-Z -NE5
Q854	48T35586W01	TR , 2SC3518-Z -NE5
Q855	48T35586W01	TR , 2SC3518-Z -NE5
Q857	48T95329W01	TR, 2SC4540-TE12L -E2
Q858	48T95196W01	TR, 2SA1735-TE12L -E2
Q859	48T75602W02	TR, 2SD2137-PO -RD
Q860	48T35586W01	TR , 2SC3518-Z -NE5
Q861	48T75602W02	TR, 2SD2137-PO -RD
Q862	48T73888F13	TR , CP FMC3-99

Diodes

Symbol No.	Part No.	Description
D203	48T15706Y01	DIO, MA132WA-TX -CP
D204	48T15706Y01	DIO, MA132WA-TX -CP
D221	48T15512W01	DIODE, CP DSM10 -E2
D222	48T15512W01	DIODE, CP DSM10 -E2
D223	48T15512W01	DIODE, CP DSM10 -E2
D224	48T15512W01	DIODE, CP DSM10 -E2
D225	48T15512W01	DIODE, CP DSM10 -E2
D226	48T15512W01	DIODE, CP DSM10 -E2
D227	48T15512W01	DIODE, CP DSM10 -E2
D228	48T15512W01	DIODE, CP DSM10 -E2
D229	48T15512W01	DIODE, CP DSM10 -E2
D230	48T15512W01	DIODE, CP DSM10 -E2
D231	48T15512W01	DIODE, CP DSM10 -E2
D232	48T15512W01	DIODE, CP DSM10 -E2
D301	48T15706Y02	DIO, MA132WK-TX -CP
D501	48T15540Y01	DIO, MA2S111-TX -CP
D502	48T15540Y01	DIO, MA2S111-TX -CP
D503	48T15540Y01	DIO, MA2S111-TX -CP
D504	48T15540Y01	DIO, MA2S111-TX -CP
D505	48T15702W01	DIO, CP SB05-05CP
D801	48T75404W01	DIO, 1SS353-TE17 -CP
D802	48T25665Y01	DIO, 1SS355-TE17 -CP
D803	48T63463F01	DIO, CP. DAP202K -96
D804	48T63462F01	DIO, CP. DAN202K -96
D805	48T63462F01	DIO, CP. DAN202K -96
D806	48T85357W01	DIO, 1PS226 -CP
D807	48T15512W01	DIODE, CP DSM10 -E2
D808	48T68828F11	DIO, 1SS133 -RH
D809	48T15512W01	DIODE, CP DSM10 -E2
D811	48T63462F01	DIO, CP. DAN202K -96
D814	48T25274Y01	DIO, MA4S159-TX -CP
D816	48T25274Y01	DIO, MA4S159-TX -CP
D818	48T25274Y01	DIO, MA4S159-TX -CP
D820	48T15702W01	DIO, CP SB05-05CP
D821	48T15702W01	DIO, CP SB05-05CP
SD801	48T45286Y01	DIO, SHT RB050L-40-E1
ZD302	48T15541Y53	DIO, ZEN MAZS0560H-CP
ZD303	48T15541Y53	DIO, ZEN MAZS0560H-CP
ZD304	48T15541Y53	DIO, ZEN MAZS0560H-CP
ZD305	48T15541Y53	DIO, ZEN MAZS0560H-CP
ZD306	48T15541Y53	DIO, ZEN MAZS0560H-CP
ZD307	48T15541Y53	DIO, ZEN MAZS0560H-CP
ZD308	48T15541Y53	DIO, ZEN MAZS0560H-CP

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Symbol No.	Part No.	Description
ZD309	48T15541Y53	DIO,ZEN MAZS056OH-CP
ZD801	48T25766W03	DIO,ZEN.HZS 6A3L -R5
ZD802	48T25766W25	DIO,ZEN.HZS 9C2L -R5
ZD803	48T25766W24	DIO,ZEN.HZS 9C1L -R5
ZD804	48T15541Y59	DIO,ZEN MAZS0680H-CP
ZD805	48T25064Y02	DIO,ZEN ZSH5MA27A-ED
ZD807	48T84735F26	DIO,ZEN MA3100-M -CP
ZD808	48T62934F36	DIO,ZEN.RD9.1MB1 -CP
ZD809	48T62934F30	DIO,ZEN.RD7.5MB1 -CP
ZD810	48T84735F20	DIO,ZEN.MA3082-M -CP
ZD812	48T15542Y09	DIO,ZEN MA1Z100 -E1
Coils		
L201	24T95456W23	FBI,BLM11B252SDPT-CP
L202	24T95456W23	FBI,BLM11B252SDPT-CP
L203	24T95456W23	FBI,BLM11B252SDPT-CP
L701	24T25164Y25	IND,FSLM2520 10RJ-CP
L702	24T25164Y25	IND,FSLM2520 10RJ-CP
L703	24T25164Y25	IND,FSLM2520 10RJ-CP
L801	25C40894G01	COIL,CHOK EI19 1.2MH
L802	24T95202W21	IND,CDRH64B 471M -E6
L803	24T95202W25	IND,CDRH64B 102M -E6
L804	24T25565Y11	IND,SLF12565 221M-EA
L805	24T25578Y11	IND,D124C 68RM -EA
VT701	24T35482Y01	COIL,VTR FSDV -E6
VT702	91T45126W02	TRP,NLT4532T-S4R4-E2
Crystals		
XL502	91T55371W01	XTL,AT-51GW 12.28-EA
XL503	91T55371W01	XTL,AT-51GW 12.28-EA
XL504	91T95554W01	XTL,CM200S 32.76K-E5
XL701	91T35643Y02	XTL,DSX151GA 4.43-E9
XL702	91T35643Y01	XTL,DSX151GA 3.57-E9
Filters		
L503	91T15509Y08	EMI,BK1608HM102 -CP
L504	91T15509Y08	EMI,BK1608HM102 -CP
L505	91T15509Y08	EMI,BK1608HM102 -CP
L506	91T15509Y08	EMI,BK1608HM102 -CP
L704	91T15509Y08	EMI,BK1608HM102 -CP

Symbol No.	Part No.	Description
Fuses		
F802	65T35516Y01	FUSE,TF16N 0.25A -CP
F803	65T35516Y07	FUSE,TF16N 1.25A -CP
F804	65T25627Y11	FUSE,KAB5002501NA-CP
F805	65T25627Y11	FUSE,KAB5002501NA-CP
F806	65T35516Y07	FUSE,TF16N 1.25A -CP
Switches		
SW201	40T45282W02	SW,SLIDE SLD-42-508X (NORN/(EQ/DIV))
SW801	40T16096W03	SW ,TACT SKHHLW(RESET)
Buzzer		
BZ801	50T85541W01	BUZZER,CD11PA-XZ -H5
Capacitors		
C100	08S45677W60	CAP,CER 102J-CH1H-CP
C211	08S35374W07	CAP,CER 334K-B1C -CP
C212	08S35374W07	CAP,CER 334K-B1C -CP
C213	08S35374W07	CAP,CER 334K-B1C -CP
C214	08S35374W07	CAP,CER 334K-B1C -CP
C215	08S65128F78	CAP,CER.223K-B1H -CP
C221	08T55487W02	CAP,CER.224K-B1C -CP
C231	08T15349Y02	CAP,CER 105K-B1C -CP
C232	08T15349Y02	CAP,CER 105K-B1C -CP
C233	08T15349Y02	CAP,CER 105K-B1C -CP
C234	08T15349Y02	CAP,CER 105K-B1C -CP
C235	08T15349Y02	CAP,CER 105K-B1C -CP
C236	08T15349Y02	CAP,CER 105K-B1C -CP
C237	08T15349Y02	CAP,CER 105K-B1C -CP
C238	08T15349Y02	CAP,CER 105K-B1C -CP
C239	08T15349Y02	CAP,CER 105K-B1C -CP
C240	08T15349Y02	CAP,CER 105K-B1C -CP
C241	08T81833F08	CAP,CER 475K-B1A -CP
C242	08T81833F08	CAP,CER 475K-B1A -CP
C243	08T81833F08	CAP,CER 475K-B1A -CP
C244	08T81833F08	CAP,CER 475K-B1A -CP
C261	08S60102F40	CAP,CER 224K-B1E -CP
C262	08S60102F40	CAP,CER 224K-B1E -CP
C263	08S60102F40	CAP,CER 224K-B1E -CP
C264	08S60102F40	CAP,CER 224K-B1E -CP
C265	08S60102F40	CAP,CER 224K-B1E -CP
C266	08S60102F40	CAP,CER 224K-B1E -CP

Symbol No.	Part No.	Description
C267	08S60102F40	CAP, CER 224K-B1E -CP
C268	08S60102F40	CAP, CER 224K-B1E -CP
C301	08S65128F88	CAP, CER 104K-B1H -CP
C302	08S45677W60	CAP, CER 102J-CH1H-CP
C303	08S45676W63	CAP, CER 152K-B1H -CP
C304	08S45676W80	CAP, CER 223K-B1E -CP
C305	08T15399W01	CAP, CER. 223K-B1H -CP
C306	08S45676W80	CAP, CER 223K-B1E -CP
C503	08S45676W80	CAP, CER 223K-B1E -CP
C504	08S45676W80	CAP, CER 223K-B1E -CP
C512	08T15399W01	CAP, CER. 223K-B1H -CP
C513	08S45676W80	CAP, CER 223K-B1E -CP
C514	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C515	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C516	08S45677W17	CAP, CER 16RJ-CH1H-CP
C517	08S45677W18	CAP, CER. 18RJ-CH1H-CP
C518	08S45677W19	CAP, CER 20RJ-CH1H-CP
C519	08S45677W19	CAP, CER 20RJ-CH1H-CP
C520	08S45676W80	CAP, CER 223K-B1E -CP
C522	08S45677W60	CAP, CER 102J-CH1H-CP
C606	08S60102F48	CAP, CER 105K-B1E -CP
C607	08S60102F48	CAP, CER 105K-B1E -CP
C608	08S60102F48	CAP, CER 105K-B1E -CP
C611	08T81833F08	CAP, CER 475K-B1A -CP
C701	08S45676W80	CAP, CER 223K-B1E -CP
C702	08S45676W80	CAP, CER 223K-B1E -CP
C703	08S25666Y01	CAP, CER 106M-BJ1C-CP
C704	08S45677W02	CAP, CER 1R0C-CH1H-CP
C705	08S45677W02	CAP, CER 1R0C-CH1H-CP
C706	08S45676W80	CAP, CER 223K-B1E -CP
C707	08S60102F48	CAP, CER 105K-B1E -CP
C708	08S60102F48	CAP, CER 105K-B1E -CP
C709	08S45676W73	CAP, CER. 103K-B1H -CP
C710	08S45676W73	CAP, CER. 103K-B1H -CP
C711	08S60102F48	CAP, CER 105K-B1E -CP
C712	08S45676W73	CAP, CER. 103K-B1H -CP
C713	08S45676W73	CAP, CER. 103K-B1H -CP
C714	08S45676W85	CAP, CER 104K-B1C -CP
C715	08S45676W73	CAP, CER. 103K-B1H -CP
C716	08S45676W73	CAP, CER. 103K-B1H -CP
C717	08S45676W73	CAP, CER. 103K-B1H -CP
C718	08S45676W73	CAP, CER. 103K-B1H -CP
C719	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C720	08S45676W73	CAP, CER. 103K-B1H -CP
C721	08S45676W73	CAP, CER. 103K-B1H -CP
C722	08S45676W89	CAP, CER 473K-B1E -CP
C723	08S45676W73	CAP, CER. 103K-B1H -CP
C724	08S45676W73	CAP, CER. 103K-B1H -CP
C725	08S45677W30	CAP, CER. 56RJ-CH1H-CP

Symbol No.	Part No.	Description
C726	08S45676W73	CAP, CER. 103K-B1H -CP
C727	08S45676W73	CAP, CER. 103K-B1H -CP
C728	08S45676W80	CAP, CER 223K-B1E -CP
C729	08S45677W52	CAP, CER 471J-CH1H-CP
C730	08S45677W56	CAP, CER 681J-CH1H-CP
C731	08S45676W73	CAP, CER. 103K-B1H -CP
C732	08S45676W80	CAP, CER 223K-B1E -CP
C733	08S45676W80	CAP, CER 223K-B1E -CP
C734	08S45676W85	CAP, CER 104K-B1C -CP
C735	08S45676W85	CAP, CER 104K-B1C -CP
C736	08S45676W85	CAP, CER 104K-B1C -CP
C737	08S45676W80	CAP, CER 223K-B1E -CP
C738	08S45676W80	CAP, CER 223K-B1E -CP
C739	08S45677W52	CAP, CER 471J-CH1H-CP
C740	08S45676W71	CAP, CER. 682K-B1H -CP
C741	08S45676W73	CAP, CER. 103K-B1H -CP
C742	08S45676W85	CAP, CER 104K-B1C -CP
C743	08S45677W58	CAP, CER 821J-CH1H-CP
C744	08S45676W73	CAP, CER. 103K-B1H -CP
C745	08S45676W73	CAP, CER. 103K-B1H -CP
C746	08S60102F48	CAP, CER 105K-B1E -CP
C747	08S45676W85	CAP, CER 104K-B1C -CP
C748	08S45676W80	CAP, CER 223K-B1E -CP
C749	08S45677W60	CAP, CER 102J-CH1H-CP
C750	08S45676W80	CAP, CER 223K-B1E -CP
C751	08S45676W80	CAP, CER 223K-B1E -CP
C752	08S45677W29	CAP, CER 51RJ-CH1H-CP
C753	08S45676W80	CAP, CER 223K-B1E -CP
C754	08S45677W60	CAP, CER 102J-CH1H-CP
C755	08S60102F44	CAP, CER 474K-B1E -CP
C756	08S60102F48	CAP, CER 105K-B1E -CP
C757	08S60102F48	CAP, CER 105K-B1E -CP
C758	08S45677W12	CAP, CER. 10RD-CH1H-CP
C759	08S45677W12	CAP, CER. 10RD-CH1H-CP
C760	08S45677W12	CAP, CER. 10RD-CH1H-CP
C761	08S60102F48	CAP, CER 105K-B1E -CP
C762	08S45676W80	CAP, CER 223K-B1E -CP
C763	08S60102F48	CAP, CER 105K-B1E -CP
C764	08S60102F48	CAP, CER 105K-B1E -CP
C765	08S60102F48	CAP, CER 105K-B1E -CP
C766	08S60102F48	CAP, CER 105K-B1E -CP
C767	08S60102F48	CAP, CER 105K-B1E -CP
C768	08S60102F48	CAP, CER 105K-B1E -CP
C770	08S35374W08	CAP, CER 474K-B1C -CP
C771	08T25191Y06	CAP, CER 335K-B1A -CP
C772	08S45676W80	CAP, CER 223K-B1E -CP
C773	08S45677W48	CAP, CER. 331J-CH1H-CP
C800	08T15399W01	CAP, CER. 223K-B1H -CP
C801	08T15399W01	CAP, CER. 223K-B1H -CP

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Symbol No.	Part No.	Description
C803	08S45676W73	CAP, CER. 103K-B1H -CP
C804	08S45677W36	CAP, CER. 101J-CH1H-CP
C805	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C806	08T15399W01	CAP, CER. 223K-B1H -CP
C809	08T15399W01	CAP, CER. 223K-B1H -CP
C810	08S65128F88	CAP, CER 104K-B1H -CP
C811	08T65289W02	CAP, EMK 474K-BJ1C-CP
C813	08S45676W85	CAP, CER 104K-B1C -CP
C815	08S45676W89	CAP, CER 473K-B1E -CP
C818	08S45676W80	CAP, CER 223K-B1E -CP
C819	08S45677W60	CAP, CER 102J-CH1H-CP
C820	08S45676W80	CAP, CER 223K-B1E -CP
C823	08S45676W85	CAP, CER 104K-B1C -CP
C825	08S45676W80	CAP, CER 223K-B1E -CP
C826	08T35688Y01	CAP, CER 106KX5R1C-CP
C830	08S60102F48	CAP, CER 105K-B1E -CP
C831	08S45676W80	CAP, CER 223K-B1E -CP
C832	08S45676W80	CAP, CER 223K-B1E -CP
C833	08S45676W80	CAP, CER 223K-B1E -CP
C837	08S45676W80	CAP, CER 223K-B1E -CP
C838	08S45676W80	CAP, CER 223K-B1E -CP
C841	08S45676W80	CAP, CER 223K-B1E -CP
C842	08S45676W80	CAP, CER 223K-B1E -CP
C845	08S45676W80	CAP, CER 223K-B1E -CP
C846	08S45676W80	CAP, CER 223K-B1E -CP
C847	08S45676W80	CAP, CER 223K-B1E -CP
C848	08T25628Y03	CAP, TF 224M-1C -CP
C849	08S45676W93	CAP, CER 224K-B1A -CP
C850	08S45677W60	CAP, CER 102J-CH1H-CP
C851	08S45676W73	CAP, CER. 103K-B1H -CP
C852	08S45676W84	CAP, CER 683K-B1C -CP
C853	08S45676W80	CAP, CER 223K-B1E -CP
C854	08S45677W50	CAP, CER 391J-CH1H-CP
C856	08S45677W60	CAP, CER 102J-CH1H-CP
C857	08S45676W73	CAP, CER. 103K-B1H -CP
C858	08S45676W93	CAP, CER 224K-B1A -CP
E223	23T75487W37	CAP, RZ 332-1C +
E225	23S95415W03	CAP, ELY 10R-1C -R2
E226	23S95415W06	CAP, ELY 101-1C -R2
E301	23T15765Y76	CAP, TAN 10R-1C-A -CP
E302	23T25216Y01	CAP, HP 47R-0J-BP-E6
E502	23T15765Y76	CAP, TAN 10R-1C-A -CP
E504	23S65134W23	CAP, ELY 101-1A(6)-E6
E505	23T15765Y78	CAP, TAN 22R-1C-E -E1
E506	23S65134W23	CAP, ELY 101-1A(6)-E6
E507	23S65134W32	CAP, ELY 22R-1C(5)-E3
E601	23S65134W23	CAP, ELY 101-1A(6)-E6
E602	23S65134W34	CAP, ELY 47R-1C(6)-E6
E603	23S65134W34	CAP, ELY 47R-1C(6)-E6

Symbol No.	Part No.	Description
E604	23S65134W34	CAP, ELY 47R-1C(6)-E6
E605	23S65134W23	CAP, ELY 101-1A(6)-E6
E606	23S65134W34	CAP, ELY 47R-1C(6)-E6
E607	23S65134W23	CAP, ELY 101-1A(6)-E6
E608	23S65134W34	CAP, ELY 47R-1C(6)-E6
E609	23S65134W23	CAP, ELY 101-1A(6)-E6
E610	23S65134W34	CAP, ELY 47R-1C(6)-E6
E701	23T45213Y03	CAP, UD 101-1C -E6
E703	23S65134W31	CAP, ELY 10R-1C(4)-E2
E704	23T45213Y03	CAP, UD 101-1C -E6
E706	23S65134W31	CAP, ELY 10R-1C(4)-E2
E707	23S65134W65	CAP, ELY 1R0-1H(3)-E2
E708	23S65134W65	CAP, ELY 1R0-1H(3)-E2
E709	23S65134W31	CAP, ELY 10R-1C(4)-E2
E710	23T95564W08	CAP, FC 10R-1C-B -E2
E711	23T95564W08	CAP, FC 10R-1C-B -E2
E712	23T95564W08	CAP, FC 10R-1C-B -E2
E713	23T95564W08	CAP, FC 10R-1C-B -E2
E801	23S65134W15	CAP, ELY 331-0J(8)-E6
E802	23S65134W45	CAP, ELY 33R-1E(6)-E6
E803	23S65134W72	CAP, ELY 3R3-1H(4)-E2
E805	23S65134W24	CAP, ELY 221-1A(8)-E6
E806	23S65134W32	CAP, ELY 22R-1C(5)-E3
E807	23S65134W23	CAP, ELY 101-1A(6)-E6
E808	23S65134W45	CAP, ELY 33R-1E(6)-E6
E809	23T15765Y76	CAP, TAN 10R-1C-A -CP
E811	23S65134W31	CAP, ELY 10R-1C(4)-E2
E812	23S65134W31	CAP, ELY 10R-1C(4)-E2
E817	23T45213Y07	CAP, UD 331-1E -EA
E818	23T45213Y07	CAP, UD 331-1E -EA
E819	23T45213Y05	CAP, UD 471-1C -EA
E820	23T45213Y05	CAP, UD 471-1C -EA
E821	23T45213Y05	CAP, UD 471-1C -EA
E825	23T45213Y05	CAP, UD 471-1C -EA
E827	23T75498W43	CAP, PJ 122-1C +
E828	23T15765Y88	CAP, TAN 10R-1E-E -E1
E829	23T95564W38	CAP, FC 221-1E-G -EA
E830	23T45213Y03	CAP, UD 101-1C -E6
E831	23T95564W37	CAP, FC 101-1E-F -EA
E832	23T45213Y03	CAP, UD 101-1C -E6
E833	23T45213Y03	CAP, UD 101-1C -E6
E834	23T45213Y03	CAP, UD 101-1C -E6
E835	23T25615Y32	CAP, ZT 10R-1E -E3
E837	23T45213Y03	CAP, UD 101-1C -E6
E838	23T45213Y03	CAP, UD 101-1C -E6

Symbol No.	Part No.	Description
Resistors		
R225	06S45674W97	RES, RK 473J 1/10 -CP
R226	06S45674W97	RES, RK 473J 1/10 -CP
R227	06S64995F29	RES, RK 101J 1/8 -CP
R228	06S64995F29	RES, RK 101J 1/8 -CP
R230	06S45674W81	RES, RK 103J 1/10 -CP
R233	06S45674W81	RES, RK 103J 1/10 -CP
R234	06S45675W43	RES, RK JUMPER1/10-CP
R235	06S45674W41	RES, RK 221J 1/10 -CP
R236	06S45674W41	RES, RK 221J 1/10 -CP
R237	06S45674W41	RES, RK 221J 1/10 -CP
R238	06S45674W41	RES, RK 221J 1/10 -CP
R251	06S45674W41	RES, RK 221J 1/10 -CP
R252	06S45674W41	RES, RK 221J 1/10 -CP
R253	06S45674W41	RES, RK 221J 1/10 -CP
R254	06S45674W41	RES, RK 221J 1/10 -CP
R255	06S45674W97	RES, RK 473J 1/10 -CP
R256	06S45674W97	RES, RK 473J 1/10 -CP
R257	06S64995F29	RES, RK 101J 1/8 -CP
R258	06S64995F29	RES, RK 101J 1/8 -CP
R261	06S70072F78	RES, CP .2R2-J-1/4-CP
R262	06S70072F78	RES, CP .2R2-J-1/4-CP
R263	06S70072F78	RES, CP .2R2-J-1/4-CP
R264	06S70072F78	RES, CP .2R2-J-1/4-CP
R265	06S70072F78	RES, CP .2R2-J-1/4-CP
R266	06S70072F78	RES, CP .2R2-J-1/4-CP
R267	06S70072F78	RES, CP .2R2-J-1/4-CP
R268	06S70072F78	RES, CP .2R2-J-1/4-CP
R301	06S45674W81	RES, RK 103J 1/10 -CP
R302	06S70072F53	RES, CP .102-J-1/4-CP
R303	06S70072F53	RES, CP .102-J-1/4-CP
R304	06S70072F53	RES, CP .102-J-1/4-CP
R305	06S15304Y89	RES, RK 473J 1/10 -CP
R306	06S70072F29	RES, CP .101-J-1/4-CP
R307	06S70072F53	RES, CP .102-J-1/4-CP
R308	06S15304Y97	RES, RK 104J 1/10 -CP
R309	06S15304Y97	RES, RK 104J 1/10 -CP
R310	06S45674W69	RES, RK 332J 1/10 -CP
R311	06S45674W57	RES, RK 102J 1/10 -CP
R312	06S45674W89	RES, RK 223J 1/10 -CP
R313	06S45674W89	RES, RK 223J 1/10 -CP
R314	06S45674W65	RES, RK 222J 1/10 -CP
R315	06S45674W81	RES, RK 103J 1/10 -CP
R316	06S70072F29	RES, CP .101-J-1/4-CP
R317	06S45674W33	RES, RK 101J 1/10 -CP
R318	06S45674W33	RES, RK 101J 1/10 -CP
R319	06S70072F53	RES, CP .102-J-1/4-CP
R320	06S70072F53	RES, CP .102-J-1/4-CP

Symbol No.	Part No.	Description
R321	06S45674W33	RES, RK 101J 1/10 -CP
R323	06S70072F53	RES, CP .102-J-1/4-CP
R324	06S70072F53	RES, CP .102-J-1/4-CP
R325	06S45674W33	RES, RK 101J 1/10 -CP
R326	06S45674W61	RES, RK 152J 1/10 -CP
R327	06S45674W57	RES, RK 102J 1/10 -CP
R328	06S45674W89	RES, RK 223J 1/10 -CP
R500	06S45674W57	RES, RK 102J 1/10 -CP
R501	06S45674W97	RES, RK 473J 1/10 -CP
R502	06S45674W97	RES, RK 473J 1/10 -CP
R503	06S45674W89	RES, RK 223J 1/10 -CP
R504	06S45674W89	RES, RK 223J 1/10 -CP
R505	06S45674W93	RES, RK 333J 1/10 -CP
R506	06S45674W97	RES, RK 473J 1/10 -CP
R507	06S45674W97	RES, RK 473J 1/10 -CP
R508	06S45674W97	RES, RK 473J 1/10 -CP
R509	06T75431W96	RES, RK 363J 1/10 -CP
R510	06T75431W86	RES, RK 133J 1/10 -CP
R511	06S15593Y72	RES, RK 912F 1/10 -CP
R512	06S45674W33	RES, RK 101J 1/10 -CP
R513	06S45674W97	RES, RK 473J 1/10 -CP
R514	06S45674W97	RES, RK 473J 1/10 -CP
R515	06S15593Y74	RES, RK 113F 1/10 -CP
R516	06S45674W57	RES, RK 102J 1/10 -CP
R517	06S45674W57	RES, RK 102J 1/10 -CP
R520	06S45674W89	RES, RK 223J 1/10 -CP
R521	06S45674W89	RES, RK 223J 1/10 -CP
R522	06S45674W89	RES, RK 223J 1/10 -CP
R523	06S45674W89	RES, RK 223J 1/10 -CP
R525	06S45674W57	RES, RK 102J 1/10 -CP
R526	06S70072F45	RES, CP .471-J-1/4-CP
R527	06S45674W57	RES, RK 102J 1/10 -CP
R528	06S45674W57	RES, RK 102J 1/10 -CP
R529	06S70072F37	RES, CP .221-J-1/4-CP
R530	06S45674W81	RES, RK 103J 1/10 -CP
R531	06S45674W57	RES, RK 102J 1/10 -CP
R532	06S45674W57	RES, RK 102J 1/10 -CP
R536	06S45674W89	RES, RK 223J 1/10 -CP
R537	06S45674W57	RES, RK 102J 1/10 -CP
R538	06S45674W57	RES, RK 102J 1/10 -CP
R539	06S70072F45	RES, CP .471-J-1/4-CP
R540	06S15593Y73	RES, RK 103F 1/10 -CP
R541	06S15593Y73	RES, RK 103F 1/10 -CP
R542	06S45674W57	RES, RK 102J 1/10 -CP
R543	06S45674W89	RES, RK 223J 1/10 -CP
R544	06S45674W89	RES, RK 223J 1/10 -CP
R546	06S45674W89	RES, RK 223J 1/10 -CP
R547	06S45674W89	RES, RK 223J 1/10 -CP
R548	06S45674W81	RES, RK 103J 1/10 -CP

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Symbol No.	Part No.	Description
R549	06S45674W81	RES, RK 103J 1/10 -CP
R550	06S45674W81	RES, RK 103J 1/10 -CP
R551	06S45674W81	RES, RK 103J 1/10 -CP
R552	06S45674W57	RES, RK 102J 1/10 -CP
R553	06S45674W57	RES, RK 102J 1/10 -CP
R554	06S45674W97	RES, RK 473J 1/10 -CP
R555	06S45674W57	RES, RK 102J 1/10 -CP
R556	06S45674W57	RES, RK 102J 1/10 -CP
R557	06S45675W43	RES, RK JUMPER1/10-CP
R558	06S45674W57	RES, RK 102J 1/10 -CP
R559	06S15593Y73	RES, RK 103F 1/10 -CP
R560	06S45674W57	RES, RK 102J 1/10 -CP
R561	06S45674W57	RES, RK 102J 1/10 -CP
R562	06S45674W89	RES, RK 223J 1/10 -CP
R563	06S45674W81	RES, RK 103J 1/10 -CP
R564	06S45674W81	RES, RK 103J 1/10 -CP
R565	06S45674W83	RES, RK 123J 1/10 -CP
R566	06S45674W57	RES, RK 102J 1/10 -CP
R567	06S45674W57	RES, RK 102J 1/10 -CP
R569	06S45674W33	RES, RK 101J 1/10 -CP
R570	06S45674W57	RES, RK 102J 1/10 -CP
R571	06S45674W57	RES, RK 102J 1/10 -CP
R572	06S45674W57	RES, RK 102J 1/10 -CP
R573	06S45674W97	RES, RK 473J 1/10 -CP
R574	06S45674W57	RES, RK 102J 1/10 -CP
R575	06S45674W33	RES, RK 101J 1/10 -CP
R576	06S45674W33	RES, RK 101J 1/10 -CP
R577	06S45674W33	RES, RK 101J 1/10 -CP
R578	06S45674W57	RES, RK 102J 1/10 -CP
R579	06S45674W57	RES, RK 102J 1/10 -CP
R581	06S45674W33	RES, RK 101J 1/10 -CP
R582	06S45674W33	RES, RK 101J 1/10 -CP
R583	06S45674W81	RES, RK 103J 1/10 -CP
R584	06S45675W43	RES, RK JUMPER1/10-CP
R585	06S45674W57	RES, RK 102J 1/10 -CP
R586	06S45675W22	RES, RK 474J 1/10 -CP
R587	06S45674W33	RES, RK 101J 1/10 -CP
R588	06S45674W97	RES, RK 473J 1/10 -CP
R589	06S45674W97	RES, RK 473J 1/10 -CP
R590	06S45674W97	RES, RK 473J 1/10 -CP
R591	06S45674W97	RES, RK 473J 1/10 -CP
R592	06S45675W43	RES, RK JUMPER1/10-CP
R593	06S45674W33	RES, RK 101J 1/10 -CP
R594	06S45674W89	RES, RK 223J 1/10 -CP
R597	06S45674W89	RES, RK 223J 1/10 -CP
R598	06S45674W81	RES, RK 103J 1/10 -CP
R599	06S45674W81	RES, RK 103J 1/10 -CP
R601	06S45674W49	RES, RK 471J 1/10 -CP
R602	06S45674W49	RES, RK 471J 1/10 -CP

Symbol No.	Part No.	Description
R603	06S45674W87	RES, RK 183J 1/10 -CP
R604	06S45674W33	RES, RK 101J 1/10 -CP
R605	06S45675W12	RES, RK 184J 1/10 -CP
R606	06S45674W81	RES, RK 103J 1/10 -CP
R607	06S45674W61	RES, RK 152J 1/10 -CP
R608	06S15593Y47	RES, RK 821F 1/10 -CP
R609	06S45674W55	RES, RK 821J 1/10 -CP
R610	06S45674W89	RES, RK 223J 1/10 -CP
R611	06T75433W14	RES, RK 36RJ 1/4 -CP
R612	06T75433W15	RES, RK 39RJ 1/4 -CP
R613	06S45674W33	RES, RK 101J 1/10 -CP
R614	06S45674W89	RES, RK 223J 1/10 -CP
R615	06S45674W61	RES, RK 152J 1/10 -CP
R616	06S45674W89	RES, RK 223J 1/10 -CP
R617	06S45674W41	RES, RK 221J 1/10 -CP
R618	06S45674W49	RES, RK 471J 1/10 -CP
R619	06S45674W49	RES, RK 471J 1/10 -CP
R620	06S45674W87	RES, RK 183J 1/10 -CP
R621	06S45674W33	RES, RK 101J 1/10 -CP
R622	06S45674W81	RES, RK 103J 1/10 -CP
R623	06S45674W61	RES, RK 152J 1/10 -CP
R624	06S15593Y53	RES, RK 152F 1/10 -CP
R625	06S45674W55	RES, RK 821J 1/10 -CP
R626	06S45674W89	RES, RK 223J 1/10 -CP
R627	06T75433W14	RES, RK 36RJ 1/4 -CP
R628	06T75433W15	RES, RK 39RJ 1/4 -CP
R629	06S45674W49	RES, RK 471J 1/10 -CP
R630	06S45674W49	RES, RK 471J 1/10 -CP
R631	06S45674W87	RES, RK 183J 1/10 -CP
R632	06S45674W81	RES, RK 103J 1/10 -CP
R633	06S45674W61	RES, RK 152J 1/10 -CP
R634	06S45674W33	RES, RK 101J 1/10 -CP
R635	06S15593Y53	RES, RK 152F 1/10 -CP
R636	06S45675W12	RES, RK 184J 1/10 -CP
R637	06S45674W55	RES, RK 821J 1/10 -CP
R638	06S45674W89	RES, RK 223J 1/10 -CP
R639	06T75433W14	RES, RK 36RJ 1/4 -CP
R640	06T75433W15	RES, RK 39RJ 1/4 -CP
R641	06S45674W49	RES, RK 471J 1/10 -CP
R642	06S45674W49	RES, RK 471J 1/10 -CP
R643	06S45674W87	RES, RK 183J 1/10 -CP
R644	06S45674W81	RES, RK 103J 1/10 -CP
R645	06S45674W33	RES, RK 101J 1/10 -CP
R646	06S45675W12	RES, RK 184J 1/10 -CP
R647	06S45674W89	RES, RK 223J 1/10 -CP
R648	06T75433W14	RES, RK 36RJ 1/4 -CP
R649	06S45674W61	RES, RK 152J 1/10 -CP
R650	06S15593Y53	RES, RK 152F 1/10 -CP
R651	06S45674W55	RES, RK 821J 1/10 -CP

Symbol No.	Part No.	Description
R652	06T75433W15	RES, RK 39RJ 1/4 -CP
R653	06S45674W59	RES, RK 122J 1/10 -CP
R654	06S45674W61	RES, RK 152J 1/10 -CP
R655	06S45674W89	RES, RK 223J 1/10 -CP
R656	06S45674W33	RES, RK 101J 1/10 -CP
R657	06S45674W95	RES, RK 393J 1/10 -CP
R659	06S45674W57	RES, RK 102J 1/10 -CP
R660	06S45674W64	RES, RK 202J 1/10 -CP
R661	06S45674W63	RES, RK 182J 1/10 -CP
R662	06S45675W12	RES, RK 184J 1/10 -CP
R701	06S45674W53	RES, RK 681J 1/10 -CP
R702	06S45674W31	RES, RK 82RJ 1/10 -CP
R703	06S45674W31	RES, RK 82RJ 1/10 -CP
R704	06S45674W31	RES, RK 82RJ 1/10 -CP
R705	06S45674W65	RES, RK 222J 1/10 -CP
R707	06S45674W75	RES, RK 562J 1/10 -CP
R708	06S45674W45	RES, RK 331J 1/10 -CP
R709	06S45674W79	RES, RK 822J 1/10 -CP
R710	06S45674W75	RES, RK 562J 1/10 -CP
R711	06S45674W61	RES, RK 152J 1/10 -CP
R712	06S45674W85	RES, RK 153J 1/10 -CP
R713	06S45674W85	RES, RK 153J 1/10 -CP
R714	06S45674W91	RES, RK 273J 1/10 -CP
R715	06S45675W02	RES, RK 683J 1/10 -CP
R716	06S45674W85	RES, RK 153J 1/10 -CP
R717	06S45675W30	RES, RK 105J 1/10 -CP
R718	06S45675W37	RES, RK 395J 1/10 -CP
R719	06S45675W26	RES, RK 684J 1/10 -CP
R720	06S45674W85	RES, RK 153J 1/10 -CP
R721	06S45674W85	RES, RK 153J 1/10 -CP
R722	06S45674W85	RES, RK 153J 1/10 -CP
R723	06S45674W77	RES, RK 682J 1/10 -CP
R724	06S45674W93	RES, RK 333J 1/10 -CP
R725	06S45674W81	RES, RK 103J 1/10 -CP
R726	06S45674W87	RES, RK 183J 1/10 -CP
R727	06S45674W85	RES, RK 153J 1/10 -CP
R728	06S45674W87	RES, RK 183J 1/10 -CP
R729	06S45674W85	RES, RK 153J 1/10 -CP
R730	06S45674W91	RES, RK 273J 1/10 -CP
R731	06S45674W85	RES, RK 153J 1/10 -CP
R732	06S45674W33	RES, RK 101J 1/10 -CP
R733	06S45675W42	RES, RK 106J 1/10 -CP
R734	06S45674W93	RES, RK 333J 1/10 -CP
R735	06S45674W87	RES, RK 183J 1/10 -CP
R736	06S45674W81	RES, RK 103J 1/10 -CP
R737	06S45675W22	RES, RK 474J 1/10 -CP
R738	06S45674W57	RES, RK 102J 1/10 -CP
R739	06S45674W85	RES, RK 153J 1/10 -CP
R740	06S45674W87	RES, RK 183J 1/10 -CP

Symbol No.	Part No.	Description
R741	06S45674W57	RES, RK 102J 1/10 -CP
R743	06S45674W85	RES, RK 153J 1/10 -CP
R744	06S45674W97	RES, RK 473J 1/10 -CP
R745	06S15304Y51	RES, RK 122J 1/10 -CP
R746	06S45674W33	RES, RK 101J 1/10 -CP
R747	06S45674W87	RES, RK 183J 1/10 -CP
R748	06S15593Y79	RES, RK 183F 1/10 -CP
R749	06S45675W03	RES, RK 753J 1/10 -CP
R750	06S45674W93	RES, RK 333J 1/10 -CP
R752	06S45674W83	RES, RK 123J 1/10 -CP
R753	06S45675W26	RES, RK 684J 1/10 -CP
R754	06S45675W18	RES, RK 334J 1/10 -CP
R756	06S45674W33	RES, RK 101J 1/10 -CP
R757	06S15593Y43	RES, RK 561F 1/10 -CP
R758	06S45674W73	RES, RK 472J 1/10 -CP
R759	06S45674W69	RES, RK 332J 1/10 -CP
R760	06S45674W97	RES, RK 473J 1/10 -CP
R761	06S45675W30	RES, RK 105J 1/10 -CP
R762	06S15593Y50	RES, RK 112F 1/10 -CP
R763	06S45674W74	RES, RK 512J 1/10 -CP
R764	06S45674W57	RES, RK 102J 1/10 -CP
R765	06S45674W33	RES, RK 101J 1/10 -CP
R766	06S45674W33	RES, RK 101J 1/10 -CP
R767	06S45674W33	RES, RK 101J 1/10 -CP
R768	06S45675W43	RES, RK JUMPER1/10-CP
R769	06S45675W43	RES, RK JUMPER1/10-CP
R770	06S45675W43	RES, RK JUMPER1/10-CP
R771	06S45674W57	RES, RK 102J 1/10 -CP
R772	06S45674W57	RES, RK 102J 1/10 -CP
R773	06S45674W57	RES, RK 102J 1/10 -CP
R774	06S45674W57	RES, RK 102J 1/10 -CP
R800	06S35095Y08	RES, RK JUMPER 1/4-CP
R801	06S45675W06	RES, RK 104J 1/10 -CP
R802	06S45674W99	RES, RK 563J 1/10 -CP
R803	06S45674W57	RES, RK 102J 1/10 -CP
R804	06T75434W12	RES, RK 394J 1/4 -CP
R805	06S45674W57	RES, RK 102J 1/10 -CP
R806	06T75433W99	RES, RK 124J 1/4 -CP
R807	06T55037Y01	RES, RS 471J 2W -
R808	06S70072F57	RES, CP .152-J-1/4-CP
R809	06S70072F17	RES, CP .33R-J-1/4-CP
R810	06S70072F77	RES, CP .103-J-1/4-CP
R812	06S95434W71	RES, RK 821J 1/4 -CP
R814	06S15593Y55	RES, RK 182F 1/10 -CP
R815	06S15593Y67	RES, RK 562F 1/10 -CP
R816	06S70072F45	RES, CP .471-J-1/4-CP
R817	06S70072F55	RES, CP .122-J-1/4-CP
R818	06S70072F43	RES, CP .391-J-1/4-CP
R819	06S45674W81	RES, RK 103J 1/10 -CP

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Symbol No.	Part No.	Description
R820	06S45674W59	RES, RK 122J 1/10 -CP
R821	06S70072F05	RES, CP .10R-J-1/4-CP
R822	06S45674W81	RES, RK 103J 1/10 -CP
R823	06S45674W73	RES, RK 472J 1/10 -CP
R824	06S45674W65	RES, RK 222J 1/10 -CP
R825	06S64995F57	RES, RK 152J 1/8 -CP
R826	06S70072F19	RES, CP .39R-J-1/4-CP
R827	06S70072F19	RES, CP .39R-J-1/4-CP
R828	06S70072F19	RES, CP .39R-J-1/4-CP
R829	06S70072F19	RES, CP .39R-J-1/4-CP
R830	06S45674W77	RES, RK 682J 1/10 -CP
R831	06S45674W77	RES, RK 682J 1/10 -CP
R832	06S45674W81	RES, RK 103J 1/10 -CP
R833	06S64995F57	RES, RK 152J 1/8 -CP
R834	06S45674W65	RES, RK 222J 1/10 -CP
R835	06S45674W81	RES, RK 103J 1/10 -CP
R836	06S70072F69	RES, CP .472-J-1/4-CP
R837	06S70072F69	RES, CP .472-J-1/4-CP
R838	06S70072F77	RES, CP .103-J-1/4-CP
R839	06S45674W97	RES, RK 473J 1/10 -CP
R840	06S70072F03	RES, CP .6R8-J-1/4-CP
R841	06S70072F03	RES, CP .6R8-J-1/4-CP
R842	06S45674W81	RES, RK 103J 1/10 -CP
R843	06S70072F77	RES, CP .103-J-1/4-CP
R844	06S70072F03	RES, CP .6R8-J-1/4-CP
R845	06S70072F03	RES, CP .6R8-J-1/4-CP
R846	06S45674W81	RES, RK 103J 1/10 -CP
R847	06S45674W81	RES, RK 103J 1/10 -CP
R848	06S70072F61	RES, CP .222-J-1/4-CP
R849	06S70072F57	RES, CP .152-J-1/4-CP
R850	06S70072F57	RES, CP .152-J-1/4-CP
R851	06S70072F57	RES, CP .152-J-1/4-CP
R852	06S70072F57	RES, CP .152-J-1/4-CP
R853	06S70072F77	RES, CP .103-J-1/4-CP
R854	06S45674W73	RES, RK 472J 1/10 -CP
R855	06S45674W81	RES, RK 103J 1/10 -CP
R857	06S45674W81	RES, RK 103J 1/10 -CP
R858	06S70072F39	RES, CP .271-J-1/4-CP
R859	06S70072F39	RES, CP .271-J-1/4-CP
R860	06S45674W97	RES, RK 473J 1/10 -CP
R862	06S45674W81	RES, RK 103J 1/10 -CP
R863	06S70072F53	RES, CP .102-J-1/4-CP
R864	06S70072F77	RES, CP .103-J-1/4-CP
R865	06S45674W97	RES, RK 473J 1/10 -CP
R866	06S45674W89	RES, RK 223J 1/10 -CP
R867	06S70072F77	RES, CP .103-J-1/4-CP
R868	06S35095Y08	RES, RK JUMPER 1/4-CP
R869	06S35095Y08	RES, RK JUMPER 1/4-CP
R870	06S45674W57	RES, RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R871	06S70072F78	RES, CP .2R2-J-1/4-CP
R872	06S70072F78	RES, CP .2R2-J-1/4-CP
R873	06S70072F78	RES, CP .2R2-J-1/4-CP
R874	06S70072F78	RES, CP .2R2-J-1/4-CP
R876	06S35095Y08	RES, RK JUMPER 1/4-CP
R877	06T25178Y15	RES, RK 2R2F 1/4 -CP
R878	06T25178Y15	RES, RK 2R2F 1/4 -CP
R879	06S35095Y08	RES, RK JUMPER 1/4-CP
R880	06S35083Y21	RES, RK 471F 1/4 -CP
R881	06S15593Y90	RES, RK 513F 1/10 -CP
R882	06S15593Y56	RES, RK 202F 1/10 -CP
R883	06S15594Y06	RES, RK 224F 1/10 -CP
R884	06S35083Y27	RES, RK 152F 1/4 -CP
R885	06T75431W92	RES, RK 243J 1/10 -CP
R886	06T25178Y84	RES, RK 162F 1/4 -CP
R887	06T25178Y84	RES, RK 162F 1/4 -CP
R888	06S45674W65	RES, RK 222J 1/10 -CP
R889	06S45675W14	RES, RK 224J 1/10 -CP
R890	06S70072F45	RES, CP .471-J-1/4-CP
R891	06S70072F45	RES, CP .471-J-1/4-CP
R892	06S45674W93	RES, RK 333J 1/10 -CP
R893	06S15593Y82	RES, RK 243F 1/10 -CP
R894	06S15593Y49	RES, RK 102F 1/10 -CP
R895	06S15593Y70	RES, RK 752F 1/10 -CP
R896	06S15593Y79	RES, RK 183F 1/10 -CP
R897	06S15593Y75	RES, RK 123F 1/10 -CP
R898	06S35083Y01	RES, RK 10RF 1/4 -CP
R899	06S35083Y13	RES, RK 101F 1/4 -CP
R900	06S15593Y93	RES, RK 683F 1/10 -CP
R901	06S45674W71	RES, RK 392J 1/10 -CP
R902	06S45675W43	RES, RK JUMPER1/10-CP
R903	06S45675W43	RES, RK JUMPER1/10-CP
R905	06S45675W19	RES, RK 364J 1/10 -CP
R907	06S15593Y42	RES, RK 511F 1/10 -CP
R908	06S15593Y61	RES, RK 332F 1/10 -CP
R909	06S70072F58	RES, CF .162-J-1/4-CP
R910	06S45675W24	RES, RK 564J 1/10 -CP
R911	06S15593Y51	RES, RK 122F 1/10 -CP
R912	06S45674W39	RES, RK 181J 1/10 -CP
R913	06S70072F83	RES, CP .3R6-J-1/4-CP
R914	06S70072F83	RES, CP .3R6-J-1/4-CP
R915	06S70072F83	RES, CP .3R6-J-1/4-CP
R916	06S45675W43	RES, RK JUMPER1/10-CP
R918	06S70072F83	RES, CP .3R6-J-1/4-CP
R919	06S70072F83	RES, CP .3R6-J-1/4-CP
R920	06S70072F83	RES, CP .3R6-J-1/4-CP
R921	06S15593Y79	RES, RK 183F 1/10 -CP
R922	06S15593Y49	RES, RK 102F 1/10 -CP
R923	06S15593Y49	RES, RK 102F 1/10 -CP

Symbol No.	Part No.	Description
R924	06S15593Y49	RES, RK 102F 1/10 -CP
R925	06S15593Y77	RES, RK 153F 1/10 -CP
R926	06S15593Y85	RES, RK 333F 1/10 -CP
R927	06S70072F45	RES, CP .471-J-1/4-CP
R928	06S15593Y53	RES, RK 152F 1/10 -CP
R929	06S15593Y76	RES, RK 133F 1/10 -CP
R930	06S70072F78	RES, CP .2R2-J-1/4-CP
R931	06S15593Y40	RES, RK 431F 1/10 -CP
R932	06S70072F21	RES, CP .47R-J-1/4-CP
R933	06S70072F13	RES, CP .22R-J-1/4-CP
R934	06S35083Y71	RES, RK 6R2F 1/4 -CP
R935	06S35083Y71	RES, RK 6R2F 1/4 -CP
R936	06S35083Y71	RES, RK 6R2F 1/4 -CP
R937	06S70072F21	RES, CP .47R-J-1/4-CP
R938	06S35083Y71	RES, RK 6R2F 1/4 -CP
R939	06S35083Y71	RES, RK 6R2F 1/4 -CP
R940	06S35083Y71	RES, RK 6R2F 1/4 -CP
R942	06S70072F78	RES, CP .2R2-J-1/4-CP
R943	06S70072F78	RES, CP .2R2-J-1/4-CP
R944	06S70072F33	RES, CP .151-J-1/4-CP
R945	06S70072F33	RES, CP .151-J-1/4-CP
R946	06S70072F78	RES, CP .2R2-J-1/4-CP
R947	06S15593Y97	RES, RK 104F 1/10 -CP
R948	06S35095Y08	RES, RK JUMPER 1/4-CP
R949	06S35095Y08	RES, RK JUMPER 1/4-CP
R950	06S35083Y71	RES, RK 6R2F 1/4 -CP
R951	06S35083Y71	RES, RK 6R2F 1/4 -CP
R952	06S35083Y71	RES, RK 6R2F 1/4 -CP
R953	06S35083Y71	RES, RK 6R2F 1/4 -CP
R954	06S35083Y71	RES, RK 6R2F 1/4 -CP
R955	06S35083Y71	RES, RK 6R2F 1/4 -CP
R956	06S15593Y92	RES, RK 623F 1/10 -CP
R957	06S15594Y08	RES, RK 274F 1/10 -CP
R959	06S95434W37	RES, RK 33RJ 1/4 -CP
R960	06S95434W37	RES, RK 33RJ 1/4 -CP
R961	06S70072F35	RES, CP .181-J-1/4-CP
R962	06S70072F35	RES, CP .181-J-1/4-CP
R963	06S70072F35	RES, CP .181-J-1/4-CP
R964	06S15593Y73	RES, RK 103F 1/10 -CP
R965	06S45675W43	RES, RK JUMPER1/10-CP
R966	06S15593Y70	RES, RK 752F 1/10 -CP
R967	06S70072F35	RES, CP .181-J-1/4-CP
R968	06S70072F35	RES, CP .181-J-1/4-CP
R969	06S70072F35	RES, CP .181-J-1/4-CP
R970	06S45674W81	RES, RK 103J 1/10 -CP
R972	06S15593Y87	RES, RK 393F 1/10 -CP
R973	06S15593Y85	RES, RK 333F 1/10 -CP
R974	06S45674W57	RES, RK 102J 1/10 -CP
R975	06S45674W97	RES, RK 473J 1/10 -CP

Symbol No.	Part No.	Description
R976	06S45674W97	RES, RK 473J 1/10 -CP
RA501	06S15771Y25	RES, ARYEXB28V102J-CP
RA502	06S15771Y25	RES, ARYEXB28V102J-CP
RA503	06S15771Y25	RES, ARYEXB28V102J-CP
RA504	06S15771Y25	RES, ARYEXB28V102J-CP
RA505	06S15771Y25	RES, ARYEXB28V102J-CP
RA506	06S15771Y25	RES, ARYEXB28V102J-CP
RA507	06S15771Y25	RES, ARYEXB28V102J-CP
RA508	06S15771Y25	RES, ARYEXB28V102J-CP
RA509	06S15771Y25	RES, ARYEXB28V102J-CP
RA510	06S15771Y25	RES, ARYEXB28V102J-CP
RA511	06S15771Y25	RES, ARYEXB28V102J-CP
RA514	06S15771Y25	RES, ARYEXB28V102J-CP
VR701	18T55283W16	VAR, RH03APA 333 -CP
VR702	18T55283W16	VAR, RH03APA 333 -CP
VR703	18T55283W16	VAR, RH03APA 333 -CP
VR704	18T55283W16	VAR, RH03APA 333 -CP
VR705	18T55283W16	VAR, RH03APA 333 -CP
VR706	18T55283W16	VAR, RH03APA 333 -CP
VR707	18T55283W16	VAR, RH03APA 333 -CP
VR801	18T55283W07	VAR, RH03APA 102 -CP
VR802	18T55283W11	VAR, RH03APA 472 -CP
VR803	18T55283W07	VAR, RH03APA 102 -CP

Connectors

CB101	09T75559W72	BTB, TKC-W22P-B1 -DS
CB102	09T75559W72	BTB, TKC-W22P-B1 -DS
CB200	09T25436Y08	WTB, 53253-0810 -DB
CB201	09T25436Y06	WTB, 53253-0610 -DB
CB203	09T25738Y02	WTB, 53254-0210 -DB
CB204	09T55228W03	WTB, SC25-03WS -DB
CB205	09T25738Y03	WTB, 53254-0310 -DB
CB302	09T85454W08	WTB, 53398-0890 -E9
CB303	09T85454W07	WTB, 53398-0790 -E9
CB503	09T95487W06	WTB, 53047-0610 -DB
CB802	09T15189Y40	FFC, 52559-4092 -EQ
CB803	09T15189Y40	FFC, 52559-4092 -EQ

Tuner/Audio P.W.Board

IC's

IC001	51T45496Y01	TDA7510 -QT
IC101	51T15132Y02	SAA6588T -SE9
IC102	51T45307Y01	TC7S66FU-TE85L -CP

CVA-1003R

Symbol No.	Part No.	Description
IC201	51T93333F02	NJM2904V-TE2 -SE2
Transistors/FET's		
Q002	48T63420F01	TR, 2SA1037AK-146 -CP
Q003	48T16465W01	FET, CP. 3SK195-Y-R
Q004	48T15606Y01	FET, FC18-TL -CP
Q005	48T94606F05	TR, DTC114TUA-T106-CP
Q007	48T64221F13	TR, UN211H-TX -CP
Q101	48T45594W12	TR , XN1A312 -TX-CP
Q102	48T94606F03	TR, DTC124EUA-T106-CP
Q201	48T94606F03	TR, DTC124EUA-T106-CP
Diodes		
D001	48T15437Y01	DIO, HSM123-TL -CP
D002	48T65157W01	DIO, VAR KV1410 -XX
D003	48T65157W01	DIO, VAR KV1410 -XX
D004	48T65157W01	DIO, VAR KV1410 -XX
D005	48T25619Y01	DIO, 1SV316-TB -CP
D013	48T68806F01	DIO, 1SV172/L -CP
D201	48T15706Y02	DIO, MA132WK-TX -CP
Coils		
L001	24T25164Y17	IND, FSLM2520 2R2J-CP
L002	24T65172W17	IND, LEM4532 4R7K -E2
L003	24T35286Y01	IND, MG56 523J -DB
L004	24T65234W29	IND, LK3216 15RM-CP
L005	24T95586W07	IND, LK3216 R22K -CP
L006	24T15758Y19	IND, NLFC 102K -CP
L007	24T25164Y35	IND, FSLM2520 68RJ-CP
L009	24T95586W07	IND, LK3216 R22K -CP
L010	24T65176W37	IND, NL453232 102J-E2
L012	24T25164Y17	IND, FSLM2520 2R2J-CP
L013	24T25164Y17	IND, FSLM2520 2R2J-CP
VT001	24T45428Y02	COIL, ANTI FM 5KR -DB
VT002	24T45429Y02	COIL, RF FM 5KR -DB
VT003	24T45427Y02	COIL, OSC F/A 5KR -DB
VT004	24T45563Y01	COIL, IFT1 F/A 5PG-DB
VT005	24T45563Y02	COIL, IFT2 AM 5PG -DB
Filters		
CF001	91T35405W03	CERFIL, SFE10.7MS3-RD

Symbol No.	Part No.	Description
CF002	91T35405W03	CERFIL, SFE10.7MS3-RD
CF003	91T35405W03	CERFIL, SFE10.7MS3-RD
L011	91T15509Y08	EMI, BK1608HM102 -CP
L014	91T15509Y08	EMI, BK1608HM102 -CP
L101	91T15509Y08	EMI, BK1608HM102 -CP
L102	91T15509Y08	EMI, BK1608HM102 -CP
XL002	91T15651Y01	CERFIL, CFWS450HT9-DB
Crystals		
XL001	91T45560Y01	XTL, HC-49 10.25M -R5
XL101	91T85169W18	XTL, HC-49 4.332M -R5
Surge Absorber		
SA001	48T25171Y02	VST, SA-C2012-101 -CP
Capacitors		
C001	08S45676W80	CAP, CER 223K-B1E -CP
C002	08S45677W12	CAP, CER. 10RD-CH1H-CP
C003	08S45677W60	CAP, CER 102J-CH1H-CP
C004	08S45677W09	CAP, CER 7R0D-CH1H-CP
C005	08S45677W13	CAP, CER 11RJ-CH1H-CP
C006	08S45677W02	CAP, CER 1R0C-CH1H-CP
C007	08S45677W07	CAP, CER. 5R0C-CH1H-CP
C009	08S45677W10	CAP, CER 8R0D-CH1H-CP
C010	08S45676W73	CAP, CER. 103K-B1H -CP
C011	08S45676W85	CAP, CER 104K-B1C -CP
C012	08S45676W69	CAP, CER. 472K-B1H -CP
C013	08S45676W73	CAP, CER. 103K-B1H -CP
C014	08S45677W60	CAP, CER 102J-CH1H-CP
C015	08S45677W32	CAP, CER. 68RJ-CH1H-CP
C016	08S45677W36	CAP, CER. 101J-CH1H-CP
C017	08S45676W73	CAP, CER. 103K-B1H -CP
C018	08S45676W85	CAP, CER 104K-B1C -CP
C019	08S45676W85	CAP, CER 104K-B1C -CP
C020	08S45676W85	CAP, CER 104K-B1C -CP
C021	08S45676W80	CAP, CER 223K-B1E -CP
C022	08S45676W68	CAP, CER. 392K-B1H -CP
C023	08S45677W38	CAP, CER 121J-CH1H-CP
C024	08S45676W73	CAP, CER. 103K-B1H -CP
C025	08S45676W73	CAP, CER. 103K-B1H -CP
C026	08S45676W85	CAP, CER 104K-B1C -CP
C028	08S65128F88	CAP, CER 104K-B1H -CP
C029	08S45677W60	CAP, CER 102J-CH1H-CP

Symbol No.	Part No.	Description
C031	08S45676W80	CAP, CER 223K-B1E -CP
C032	08S45677W32	CAP, CER. 68RJ-CH1H-CP
C033	08S45676W67	CAP, CER. 332K-B1H -CP
C034	08S45676W85	CAP, CER 104K-B1C -CP
C035	08S45677W02	CAP, CER 1R0C-CH1H-CP
C036	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C037	08S45677W16	CAP, CER. 15RJ-CH1H-CP
C038	08S45676W85	CAP, CER 104K-B1C -CP
C039	08S45676W85	CAP, CER 104K-B1C -CP
C040	08S45676W73	CAP, CER. 103K-B1H -CP
C041	08S45676W65	CAP, CER. 222K-B1H -CP
C042	08S45677W60	CAP, CER 102J-CH1H-CP
C043	08S45676W73	CAP, CER. 103K-B1H -CP
C044	08S45676W80	CAP, CER 223K-B1E -CP
C045	08S45676W80	CAP, CER 223K-B1E -CP
C046	08S45676W80	CAP, CER 223K-B1E -CP
C047	08S45677W09	CAP, CER 7R0D-CH1H-CP
C048	08S45677W08	CAP, CER. 6R0D-CH1H-CP
C049	08S45677W08	CAP, CER. 6R0D-CH1H-CP
C050	08S45676W73	CAP, CER. 103K-B1H -CP
C051	08S45676W73	CAP, CER. 103K-B1H -CP
C052	08S45677W12	CAP, CER. 10RD-CH1H-CP
C053	08S45676W80	CAP, CER 223K-B1E -CP
C054	08S45676W73	CAP, CER. 103K-B1H -CP
C055	08S45677W36	CAP, CER. 101J-CH1H-CP
C056	08S45676W80	CAP, CER 223K-B1E -CP
C057	08S45676W73	CAP, CER. 103K-B1H -CP
C059	08S45676W85	CAP, CER 104K-B1C -CP
C060	08S35374W08	CAP, CER 474K-B1C -CP
C061	08S35374W08	CAP, CER 474K-B1C -CP
C065	08S45677W38	CAP, CER 121J-CH1H-CP
C066	08S45677W60	CAP, CER 102J-CH1H-CP
C068	08S45677W36	CAP, CER. 101J-CH1H-CP
C069	08S45676W85	CAP, CER 104K-B1C -CP
C070	08S45677W36	CAP, CER. 101J-CH1H-CP
C072	08S45677W12	CAP, CER. 10RD-CH1H-CP
C101	08S45676W80	CAP, CER 223K-B1E -CP
C102	08S45677W54	CAP, CER 561J-CH1H-CP
C103	08S45676W80	CAP, CER 223K-B1E -CP
C104	08S45677W48	CAP, CER. 331J-CH1H-CP
C105	08T35468Y01	CAP, CER 105K-B0J -CP
C106	08S45677W36	CAP, CER. 101J-CH1H-CP
C107	08S45676W65	CAP, CER. 222K-B1H -CP
C108	08S45676W65	CAP, CER. 222K-B1H -CP
C109	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C110	08S45676W80	CAP, CER 223K-B1E -CP
C111	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C113	08S45677W42	CAP, CER. 181J-CH1H-CP
C115	08S45677W12	CAP, CER. 10RD-CH1H-CP

Symbol No.	Part No.	Description
C117	08S45676W85	CAP, CER 104K-B1C -CP
C118	08T15399W03	CAP, CER. 473K-B1H -CP
C119	08S45676W85	CAP, CER 104K-B1C -CP
C200	08S35374W08	CAP, CER 474K-B1C -CP
C201	08S45676W75	CAP, CER. 153K-B1H -CP
C204	08S45676W71	CAP, CER. 682K-B1H -CP
C205	08S65128F88	CAP, CER 104K-B1H -CP
C206	08S45677W60	CAP, CER 102J-CH1H-CP
C207	08S65128F88	CAP, CER 104K-B1H -CP
C210	08S60102F46	CAP, CER 684K-B1E -CP
E001	23S65134W34	CAP, ELY 47R-1C(6)-E6
E003	23S65134W65	CAP, ELY 1R0-1H(3)-E2
E004	23S65134W65	CAP, ELY 1R0-1H(3)-E2
E005	23S65134W65	CAP, ELY 1R0-1H(3)-E2
E006	23S65134W81	CAP, ELY 22R-1C(4)-E2
E007	23S65134W81	CAP, ELY 22R-1C(4)-E2
E008	23S65134W81	CAP, ELY 22R-1C(4)-E2
E011	23S65134W80	CAP, ELY 10R-1C(3)-E2
E012	23S65134W81	CAP, ELY 22R-1C(4)-E2
E014	23S65134W81	CAP, ELY 22R-1C(4)-E2
E015	23S65134W81	CAP, ELY 22R-1C(4)-E2
E016	23S65134W65	CAP, ELY 1R0-1H(3)-E2
E101	23S65134W31	CAP, ELY 10R-1C(4)-E2
E102	23S65134W51	CAP, ELY 2R2-1V(3)-E2
E201	23S65134W32	CAP, ELY 22R-1C(5)-E3
E204	23S65134W31	CAP, ELY 10R-1C(4)-E2
E205	23S65134W53	CAP, ELY 4R7-1V(4)-E2

Resistors

L008	06S64996F39	RES, RK JUMPER 1/8-CP
R001	06S45674W69	RES, RK 332J 1/10 -CP
R002	06S45674W61	RES, RK 152J 1/10 -CP
R004	06S45674W17	RES, RK 22RJ 1/10 -CP
R005	06S45674W17	RES, RK 22RJ 1/10 -CP
R006	06S35083Y01	RES, RK 10RF 1/4 -CP
R007	06S45674W65	RES, RK 222J 1/10 -CP
R008	06S45674W57	RES, RK 102J 1/10 -CP
R009	06S45674W65	RES, RK 222J 1/10 -CP
R010	06S45675W30	RES, RK 105J 1/10 -CP
R011	06S45674W73	RES, RK 472J 1/10 -CP
R012	06S45674W09	RES, RK 10RJ 1/10 -CP
R013	06S45674W99	RES, RK 563J 1/10 -CP
R015	06S45674W89	RES, RK 223J 1/10 -CP
R016	06S45674W81	RES, RK 103J 1/10 -CP
R017	06S45674W33	RES, RK 101J 1/10 -CP
R018	06S45674W99	RES, RK 563J 1/10 -CP
R019	06S45674W69	RES, RK 332J 1/10 -CP

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Symbol No.	Part No.	Description
R020	06S45674W99	RES, RK 563J 1/10 -CP
R021	06S45674W57	RES, RK 102J 1/10 -CP
R022	06S45674W57	RES, RK 102J 1/10 -CP
R023	06S45674W75	RES, RK 562J 1/10 -CP
R024	06S45674W53	RES, RK 681J 1/10 -CP
R028	06S45675W06	RES, RK 104J 1/10 -CP
R029	06S45674W99	RES, RK 563J 1/10 -CP
R030	06S45674W75	RES, RK 562J 1/10 -CP
R031	06S45674W09	RES, RK 10RJ 1/10 -CP
R032	06S45674W41	RES, RK 221J 1/10 -CP
R035	06S45674W57	RES, RK 102J 1/10 -CP
R036	06S45674W57	RES, RK 102J 1/10 -CP
R037	06S45674W99	RES, RK 563J 1/10 -CP
R038	06S45674W09	RES, RK 10RJ 1/10 -CP
R039	06S45675W43	RES, RK JUMPER1/10-CP
R043	06S45674W05	RES, RK 4R7J 1/10 -CP
R044	06S45674W05	RES, RK 4R7J 1/10 -CP
R045	06S45674W09	RES, RK 10RJ 1/10 -CP
R050	06S45674W83	RES, RK 123J 1/10 -CP
R091	06S45675W43	RES, RK JUMPER1/10-CP
R101	06S45674W57	RES, RK 102J 1/10 -CP
R102	06S45674W57	RES, RK 102J 1/10 -CP
R103	06S45674W57	RES, RK 102J 1/10 -CP
R104	06S45674W89	RES, RK 223J 1/10 -CP
R105	06S45674W57	RES, RK 102J 1/10 -CP
R106	06S45674W57	RES, RK 102J 1/10 -CP
R107	06S45674W57	RES, RK 102J 1/10 -CP
R108	06S45675W22	RES, RK 474J 1/10 -CP
R109	06S45674W65	RES, RK 222J 1/10 -CP
R111	06S45674W81	RES, RK 103J 1/10 -CP
R112	06S45675W43	RES, RK JUMPER1/10-CP
R113	06S45675W14	RES, RK 224J 1/10 -CP
R114	06S45675W06	RES, RK 104J 1/10 -CP
R201	06S45675W43	RES, RK JUMPER1/10-CP
R202	06S45674W73	RES, RK 472J 1/10 -CP
R203	06S45674W97	RES, RK 473J 1/10 -CP
R204	06S45674W57	RES, RK 102J 1/10 -CP
R205	06S45674W57	RES, RK 102J 1/10 -CP
R206	06S45674W57	RES, RK 102J 1/10 -CP
R207	06S45674W93	RES, RK 333J 1/10 -CP
R211	06S45674W65	RES, RK 222J 1/10 -CP
R213	06S45674W57	RES, RK 102J 1/10 -CP
R214	06S45674W57	RES, RK 102J 1/10 -CP
R215	06S45674W57	RES, RK 102J 1/10 -CP
R217	06S45675W43	RES, RK JUMPER1/10-CP
R218	06S45675W43	RES, RK JUMPER1/10-CP
R219	06S45675W43	RES, RK JUMPER1/10-CP
R220	06S45675W43	RES, RK JUMPER1/10-CP
R221	06S45674W33	RES, RK 101J 1/10 -CP
R222	06S45674W33	RES, RK 101J 1/10 -CP
R223	06S45674W33	RES, RK 101J 1/10 -CP
R224	06S45674W33	RES, RK 101J 1/10 -CP

Connectors

CH101	09T75547W22	BTB, TKC-W22X-A1 -EK
CH102	09T75547W22	BTB, TKC-W22X-A1 -EK

LCD P.W.Board

IC's

IC7001	51T25691Y01	LZ9GJ18 -QT
IC7002	51T25491Y01	NJM2107F-TE1 -CP
IC7003	51T93970F04	NJM555V-TE2 -SE2
IC7004	51T25424Y02	NJM4565V-TE1 -SE2
IC7005	51T25406Y02	TC7W34FK-TE85L -CP

Transistors

Q7001	48T63461F01	TR , CP. 2SC2411K -96
Q7002	48T25137Y02	TR, UN9212J-TX -CP
Q7003	48T25137Y02	TR, UN9212J-TX -CP
Q7004	48T25137Y02	TR, UN9212J-TX -CP
Q7005	48T25137Y16	TR, UN921LJ-TX -CP
Q7006	48T25137Y16	TR, UN921LJ-TX -CP
Q7007	48T45230W03	TR, FMY1A-T148 -CP
Q7008	48T35586W01	TR , 2SC3518-Z -NE5
Q7009	48T35586W01	TR , 2SC3518-Z -NE5
Q7010	48T94853F05	DTD, CP. 113EK-96
Q7011	48T25137Y16	TR, UN921LJ-TX -CP
Q7012	48T25136Y10	TR, UN9110J-TX -CP
Q7013	48T25327Y01	TR, UMY3N-TR -CP
Q7014	48T25327Y02	TR, UMY4N-TR -CP
Q7015	48T25137Y02	TR, UN9212J-TX -CP

Diodes

D7001	48T25247Y01	DIO, SHT MA716-TX -CP
D7002	48T15540Y01	DIO, MA2S111-TX -CP
D7003	48T25248Y01	DIO, VAR MA335-TX -CP
ZD7001	48T15541Y49	DIO, ZEN MAZS0510M-CP

Symbol No.	Part No.	Description
Coils		
L7001	24T25164Y18	IND, FSLM2520 2R7J-CP
L7002	24T25164Y18	IND, FSLM2520 2R7J-CP
L7003	24T25164Y27	IND, FSLM2520 15RJ-CP
L7004	24T25164Y18	IND, FSLM2520 2R7J-CP
L7005	24T25578Y13	IND, D124C 101M -EA
Thermistors		
TH7001	48T25250Y03	TMT, ERTJ1VR223J -CP
TH7002	48T25250Y06	TMT, ERTJ1VR223G -CP
Transformers		
T7001	25T25447Y01	TRANS, BLC216 -T
T7002	25T25447Y01	TRANS, BLC216 -T
Capacitors		
C7001	08S45676W80	CAP, CER 223K-B1E -CP
C7002	08S45676W80	CAP, CER 223K-B1E -CP
C7003	08S45676W80	CAP, CER 223K-B1E -CP
C7004	08S45676W80	CAP, CER 223K-B1E -CP
C7005	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C7006	08S45676W85	CAP, CER 104K-B1C -CP
C7007	08S45676W93	CAP, CER 224K-B1A -CP
C7008	08S45676W85	CAP, CER 104K-B1C -CP
C7009	08S45676W85	CAP, CER 104K-B1C -CP
C7010	08S45676W85	CAP, CER 104K-B1C -CP
C7011	08S45676W80	CAP, CER 223K-B1E -CP
C7012	08S45676W80	CAP, CER 223K-B1E -CP
C7013	08S45677W24	CAP, CER 33RJ-CH1H-CP
C7014	08S45677W24	CAP, CER 33RJ-CH1H-CP
C7015	08S45677W60	CAP, CER 102J-CH1H-CP
C7016	08S45676W85	CAP, CER 104K-B1C -CP
C7017	08S45676W85	CAP, CER 104K-B1C -CP
C7018	08S45676W85	CAP, CER 104K-B1C -CP
C7019	08S45676W85	CAP, CER 104K-B1C -CP
C7020	08S45676W85	CAP, CER 104K-B1C -CP
C7021	08S45676W80	CAP, CER 223K-B1E -CP
C7022	08S45676W85	CAP, CER 104K-B1C -CP
C7023	08S45677W44	CAP, CER. 221J-CH1H-CP
C7024	08S45677W24	CAP, CER 33RJ-CH1H-CP
C7025	08S45676W85	CAP, CER 104K-B1C -CP
C7026	08S45677W60	CAP, CER 102J-CH1H-CP
C7027	08S45677W36	CAP, CER. 101J-CH1H-CP

Symbol No.	Part No.	Description
C7028	08S45676W80	CAP, CER 223K-B1E -CP
C7029	08S45676W80	CAP, CER 223K-B1E -CP
C7030	08S45677W54	CAP, CER 561J-CH1H-CP
C7031	08S45677W48	CAP, CER. 331J-CH1H-CP
C7032	08T81833F07	CAP, CER 105K-B1C -CP
C7033	08S45676W80	CAP, CER 223K-B1E -CP
C7034	08S45676W85	CAP, CER 104K-B1C -CP
C7035	08S45676W85	CAP, CER 104K-B1C -CP
C7036	08S45677W24	CAP, CER 33RJ-CH1H-CP
C7037	08S45677W36	CAP, CER. 101J-CH1H-CP
C7040	08S45676W80	CAP, CER 223K-B1E -CP
C7043	08S45677W54	CAP, CER 561J-CH1H-CP
C7044	08T25191Y04	CAP, CER 225K-B1A -CP
C7045	08S45676W93	CAP, CER 224K-B1A -CP
C7046	08S60102F48	CAP, CER 105K-B1E -CP
C7047	08S45676W93	CAP, CER 224K-B1A -CP
C7048	08S45676W73	CAP, CER. 103K-B1H -CP
C7049	08S45677W54	CAP, CER 561J-CH1H-CP
C7050	08T15349Y01	CAP, CER 105K-B1A -CP
C7051	08S45676W80	CAP, CER 223K-B1E -CP
C7052	08S45676W73	CAP, CER. 103K-B1H -CP
C7053	08T35064Y02	CAP, TF 154J-1E -E2
C7054	08T55401W37	CAP, TF 104J-1H -E2
C7055	08S45676W80	CAP, CER 223K-B1E -CP
C7056	08T35688Y01	CAP, CER 106KX5R1C-CP
C7057	08S45676W85	CAP, CER 104K-B1C -CP
C7059	08S45676W95	CAP, CER 823K-B1C -CP
C7060	08S45677W60	CAP, CER 102J-CH1H-CP
C7061	08S45677W36	CAP, CER. 101J-CH1H-CP
C7062	08S45677W10	CAP, CER 8R0D-CH1H-CP
C7063	08S45676W80	CAP, CER 223K-B1E -CP
C7064	08S45676W80	CAP, CER 223K-B1E -CP
E7001	23T15765Y82	CAP, TAN 10R-1D-B -CP
E7002	23T15765Y82	CAP, TAN 10R-1D-B -CP
E7003	23T15765Y82	CAP, TAN 10R-1D-B -CP
E7004	23T15765Y82	CAP, TAN 10R-1D-B -CP
E7005	23T15765Y60	CAP, TAN 101-1C-G -E2
E7006	23T15765Y52	CAP, TAN 1R0-1V-S -CP
E7007	23T15765Y58	CAP, TAN 10R-1V-G -E2
E7008	23T15765Y58	CAP, TAN 10R-1V-G -E2
E7009	23T15765Y58	CAP, TAN 10R-1V-G -E2
E7010	23T15765Y50	CAP, TAN R47-1V-Q -CP
E7011	23T25615Y14	CAP, ZT 101-1A -E6
E7012	23T25615Y14	CAP, ZT 101-1A -E6
E7013	23T15765Y88	CAP, TAN 10R-1E-E -E1
E7014	23T15765Y88	CAP, TAN 10R-1E-E -E1

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Symbol No.	Part No.	Description
Resistors		
R7001	06S15594Y06	RES, RK 224F 1/10 -CP
R7002	06S15593Y39	RES, RK 391F 1/10 -CP
R7003	06S15594Y16	RES, RK 564F 1/10 -CP
R7004	06S15594Y16	RES, RK 564F 1/10 -CP
R7005	06S15593Y71	RES, RK 822F 1/10 -CP
R7006	06S15593Y67	RES, RK 562F 1/10 -CP
R7008	06S15594Y22	RES, RK 105F 1/10 -CP
R7009	06S15593Y62	RES, RK 362F 1/10 -CP
R7010	06S15593Y93	RES, RK 683F 1/10 -CP
R7011	06S15593Y67	RES, RK 562F 1/10 -CP
R7012	06S15593Y59	RES, RK 272F 1/10 -CP
R7013	06S15593Y25	RES, RK 101F 1/10 -CP
R7016	06S45675W43	RES, RK JUMPER1/10-CP
R7018	06S15593Y89	RES, RK 473F 1/10 -CP
R7019	06S15593Y82	RES, RK 243F 1/10 -CP
R7020	06S15593Y93	RES, RK 683F 1/10 -CP
R7021	06S15593Y79	RES, RK 183F 1/10 -CP
R7022	06S15594Y22	RES, RK 105F 1/10 -CP
R7023	06S15593Y61	RES, RK 332F 1/10 -CP
R7024	06S15593Y37	RES, RK 331F 1/10 -CP
R7025	06S45675W43	RES, RK JUMPER1/10-CP
R7027	06S15593Y25	RES, RK 101F 1/10 -CP
R7028	06S15593Y21	RES, RK 68RF 1/10 -CP
R7029	06S15593Y25	RES, RK 101F 1/10 -CP
R7031	06S15593Y79	RES, RK 183F 1/10 -CP
R7032	06S15593Y65	RES, RK 472F 1/10 -CP
R7033	06S15593Y85	RES, RK 333F 1/10 -CP
R7034	06S15593Y73	RES, RK 103F 1/10 -CP
R7035	06S15593Y70	RES, RK 752F 1/10 -CP
R7036	06S15593Y84	RES, RK 303F 1/10 -CP
R7037	06S15593Y69	RES, RK 682F 1/10 -CP
R7038	06T25178Y31	RES, RK 10RF 1/4 -CP
R7039	06S15593Y92	RES, RK 623F 1/10 -CP
R7040	06S15593Y65	RES, RK 472F 1/10 -CP
R7041	06S15593Y60	RES, RK 302F 1/10 -CP
R7042	06S15593Y69	RES, RK 682F 1/10 -CP
R7043	06S15593Y71	RES, RK 822F 1/10 -CP
R7044	06T25178Y83	RES, RK 152F 1/4 -CP
R7045	06T25178Y83	RES, RK 152F 1/4 -CP
R7046	06S15593Y68	RES, RK 622F 1/10 -CP
R7047	06S15593Y75	RES, RK 123F 1/10 -CP
R7048	06S15593Y87	RES, RK 393F 1/10 -CP
R7049	06S15593Y80	RES, RK 203F 1/10 -CP
R7050	06S15593Y49	RES, RK 102F 1/10 -CP
R7051	06S15593Y73	RES, RK 103F 1/10 -CP
R7052	06S15593Y87	RES, RK 393F 1/10 -CP
R7053	06S15593Y49	RES, RK 102F 1/10 -CP
R7054	06S70072F05	RES, CP .10R-J-1/4-CP
R7055	06S70072F29	RES, CP .101-J-1/4-CP
R7056	06S70072F29	RES, CP .101-J-1/4-CP
R7057	06S15593Y73	RES, RK 103F 1/10 -CP
R7058	06S15593Y70	RES, RK 752F 1/10 -CP
R7059	06S15593Y87	RES, RK 393F 1/10 -CP
R7060	06S15593Y70	RES, RK 752F 1/10 -CP
R7061	06S15593Y49	RES, RK 102F 1/10 -CP
R7062	06S15593Y73	RES, RK 103F 1/10 -CP
R7064	06S15593Y87	RES, RK 393F 1/10 -CP
R7065	06S45674W59	RES, RK 122J 1/10 -CP
R7066	06S70072F05	RES, CP .10R-J-1/4-CP
R7067	06S15593Y73	RES, RK 103F 1/10 -CP
RA7001	06S45591W07	RES, ARY MNR101J 4-CP
RA7002	06S45591W07	RES, ARY MNR101J 4-CP
RA7003	06S45591W09	RES, ARY MNR561J 4-CP
VR7001	18T55283W19	VAR, RH03APA 104 -CP
VR7002	18T55283W09	VAR, RH03APA 222 -CP
VR7003	18T55283W13	VAR, RH03APA 103 -CP
Connectors		
CB7001	09T45391Y32	FFC, IMSA9632S-32Y-ED
CB7002	09T45391Y13	FFC, IMSA9632S-13Y-E9
CB7003	09T85214W02	WTB, SM02(8)B-BHS -E9
CB7004	09T45391Y50	FFC, IMSA9632S-50Y-EQ
Front P.W.Board		
IC		
IC401	51T55492W01	LC75850W -QT
Diodes		
D405	48T15707Y01	DIO, MA133-TX -CP
D406	48T15707Y01	DIO, MA133-TX -CP
D407	48T15707Y01	DIO, MA133-TX -CP
D408	48T15707Y01	DIO, MA133-TX -CP
Switches		
SW401	40T55656W06	SW, TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A.ME)
SW402	40T55656W06	SW, TACT SKQMAJ001-E2 (MODE/LOUD)

Symbol No.	Part No.	Description
SW403	40T55656W06	SW, TACT SKQMAJ001-E2(∧)
SW404	40T55656W06	SW, TACT SKQMAJ001-E2(BAND)
SW405	40T55656W06	SW, TACT SKQMAJ001-E2(SOURCE/POWER
SW406	40T55656W06	SW, TACT SKQMAJ001-E2(bass engine)
SW407	40T55656W06	SW, TACT SKQMAJ001-E2(∨)
SW408	40T55656W06	SW, TACT SKQMAJ001-E2(FWD/UP)
SW409	40T55656W06	SW, TACT SKQMAJ001-E2(BWD/DN)
SW410	40T55656W06	SW, TACT SKQMAJ001-E2(V.SEL)
SW411	40T55656W06	SW, TACT SKQMAJ001-E2(T.INFO)
SW412	40T55656W06	SW, TACT SKQMAJ001-E2(FUNC)
SW413	40T55656W06	SW, TACT SKQMAJ001-E2(3/PTY)
SW414	40T55656W06	SW, TACT SKQMAJ001-E2(2/P.PTY)
SW415	40T55656W06	SW, TACT SKQMAJ001-E2(1/AF)
SW416	40T55656W06	SW, TACT SKQMAJ001-E2(6/SCAN)
SW417	40T55656W06	SW, TACT SKQMAJ001-E2(5/RPT)
SW418	40T55656W06	SW, TACT SKQMAJ001-E2(4/M.I.X.)
LED's		
LD401	48T25662Y01	LED, GRN HBG1105W -CP
LD402	48T25662Y01	LED, GRN HBG1105W -CP
LD403	48T25662Y01	LED, GRN HBG1105W -CP
LD404	48T25662Y01	LED, GRN HBG1105W -CP
LD405	48T25662Y01	LED, GRN HBG1105W -CP
LD406	48T25662Y01	LED, GRN HBG1105W -CP
LD407	48T25534Y10	LED, YEL FY1111C -CP
LD408	48T25662Y01	LED, GRN HBG1105W -CP
LD409	48T25662Y01	LED, GRN HBG1105W -CP
LD410	48T25662Y01	LED, GRN HBG1105W -CP
LD411	48T25662Y01	LED, GRN HBG1105W -CP
LD412	48T25662Y01	LED, GRN HBG1105W -CP
LD413	48T25662Y01	LED, GRN HBG1105W -CP
LD414	48T25662Y01	LED, GRN HBG1105W--CP
Lamps		
PL401	65T75231W32	LAMP, C/G 9-85 -R2
PL404	65T35324Y02	LAMP, GRN 6-80 -E5
Capacitors		
C405	08S45676W89	CAP, CER 473K-B1E -CP
C406	08S45676W89	CAP, CER 473K-B1E -CP
C407	08S45676W89	CAP, CER 473K-B1E -CP
C408	08S45677W56	CAP, CER 681J-CH1H-CP
C409	08S45677W42	CAP, CER. 181J-CH1H-CP

Symbol No.	Part No.	Description
C410	08S45677W42	CAP, CER. 181J-CH1H-CP
C411	08S45677W42	CAP, CER. 181J-CH1H-CP
C412	08S45677W42	CAP, CER. 181J-CH1H-CP
C413	08S45677W42	CAP, CER. 181J-CH1H-CP
C414	08S45677W42	CAP, CER. 181J-CH1H-CP
E402	23S55311W42	CAP, TAN. 4R7-1D-B -CP
Resistors		
R401	06S15304Y49	RES, RK 102J 1/10 -CP
R402	06S15304Y49	RES, RK 102J 1/10 -CP
R403	06S15304Y49	RES, RK 102J 1/10 -CP
R406	06S15304Y49	RES, RK 102J 1/10 -CP
R408	06S15593Y87	RES, RK 393F 1/10 -CP
R409	06S15593Y77	RES, RK 153F 1/10 -CP
R410	06S15593Y70	RES, RK 752F 1/10 -CP
R411	06S15593Y64	RES, RK 432F 1/10 -CP
R412	06S15593Y61	RES, RK 332F 1/10 -CP
R413	06S15593Y57	RES, RK 222F 1/10 -CP
R414	06S15593Y55	RES, RK 182F 1/10 -CP
R415	06S15593Y52	RES, RK 132F 1/10 -CP
R416	06S15593Y87	RES, RK 393F 1/10 -CP
R417	06S15593Y77	RES, RK 153F 1/10 -CP
R418	06S15593Y70	RES, RK 752F 1/10 -CP
R419	06S15593Y64	RES, RK 432F 1/10 -CP
R420	06S15593Y61	RES, RK 332F 1/10 -CP
R421	06S15593Y57	RES, RK 222F 1/10 -CP
R422	06S15593Y55	RES, RK 182F 1/10 -CP
R423	06S15593Y52	RES, RK 132F 1/10 -CP
R424	06T25277Y96	RES, RK 433J 1/16 -CP
R428	06S95434W87	RES, RK 392J 1/4 -CP
R429	06S35083Y31	RES, RK 332F 1/4 -CP
R430	06S45348Y05	RES, RK 242F 1/4 -CP
R431	06S45348Y05	RES, RK 242F 1/4 -CP
R432	06S45348Y05	RES, RK 242F 1/4 -CP
R433	06S45348Y05	RES, RK 242F 1/4 -CP
R434	06S45348Y04	RES, RK 202F 1/4 -CP
R435	06S45348Y04	RES, RK 202F 1/4 -CP
R436	06S35083Y31	RES, RK 332F 1/4 -CP
R437	06S35083Y31	RES, RK 332F 1/4 -CP
R438	06S45348Y05	RES, RK 242F 1/4 -CP
R439	06S45348Y05	RES, RK 242F 1/4 -CP
R440	06S45348Y05	RES, RK 242F 1/4 -CP
R441	06S35083Y39	RES, RK 153F 1/4 -CP
R442	06S35083Y39	RES, RK 153F 1/4 -CP
R443	06S45348Y05	RES, RK 242F 1/4 -CP
R444	06S45348Y05	RES, RK 242F 1/4 -CP
R445	06S45348Y05	RES, RK 242F 1/4 -CP

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Symbol No.	Part No.	Description
R446	06S45348Y04	RES, RK 202F 1/4 -CP
R447	06S45348Y04	RES, RK 202F 1/4 -CP
R448	06S45348Y05	RES, RK 242F 1/4 -CP
R449	06S45348Y05	RES, RK 242F 1/4 -CP
R450	06S35083Y39	RES, RK 153F 1/4 -CP
R451	06S35083Y39	RES, RK 153F 1/4 -CP
RA402	06S45591W06	RES, ARY MNR102J 4-CP
TOP-KEY P.W.Board		
IC's		
IC451	51T25419Y01	RS-181 -NE6
IC452	51T55639W02	REMO, SENSOR RS51-NE5
Transistors		
Q451	48T25136Y14	TR, UN911HJ-TX -CP
Q452	48T25136Y14	TR, UN911HJ-TX -CP
Q453	48T25137Y01	TR, UN9211J-TX -CP
Q454	48T25137Y01	TR, UN9211J-TX -CP
Q455	48T25137Y01	TR, UN9211J-TX -CP
Q457	48T25137Y01	TR, UN9211J-TX -CP
Q458	48T73888F12	TR , CP. FMC2-99
Diodes		
D451	48T15707Y01	DIO, MA133-TX -CP
D452	48T15707Y01	DIO, MA133-TX -CP
ZD401	48T15541Y70	DIO, ZEN MAZS1000M-CP
LED's		
LD451	48T25534Y01	LED, GRN BG1111C -CP
LD452	48T25534Y01	LED, GRN BG1111C -CP
LD453	48T25534Y01	LED, GRN BG1111C -CP
LD454	48T25534Y01	LED, GRN BG1111C -CP
LD455	48T25534Y01	LED, GRN BG1111C -CP
LD456	48T25534Y01	LED, GRN BG1111C -CP
LD461	48T35543Y01	LED, BLU DB1113F -CP

Symbol No.	Part No.	Description
Switches		
SW451	40T45074W03	SW, TACT SKQGAA -E2(ANGLE∧)
SW452	40T45074W03	SW, TACT SKQGAA -E2(ANGLE∨)
SW453	40T45074W03	SW, TACT SKQGAA -E2(OPEN/CLOSE)
SW454	40T45074W03	SW, TACT SKQGAA -E2(MUTE/SETUP)
SW455	40T45074W03	SW, TACT SKQGAA -E2(TITLE/CLK)
Capacitors		
C452	08S45677W42	CAP, CER. 181J-CH1H-CP
C453	08S45677W42	CAP, CER. 181J-CH1H-CP
C454	08S45677W42	CAP, CER. 181J-CH1H-CP
C455	08S45677W42	CAP, CER. 181J-CH1H-CP
C456	08S45677W42	CAP, CER. 181J-CH1H-CP
C457	08S45677W42	CAP, CER. 181J-CH1H-CP
C462	08S45677W42	CAP, CER. 181J-CH1H-CP
E451	23T15765Y19	CAP, TAN 10R-1C-V -E1
Resistors		
R451	06S45674W67	RES, RK 272J 1/10 -CP
R452	06S45674W71	RES, RK 392J 1/10 -CP
R453	06S45674W79	RES, RK 822J 1/10 -CP
R454	06S45674W91	RES, RK 273J 1/10 -CP
R457	06S15593Y65	RES, RK 472F 1/10 -CP
R458	06T75433W40	RES, RK 431J 1/4 -CP
R459	06T75433W40	RES, RK 431J 1/4 -CP
R461	06S15593Y55	RES, RK 182F 1/10 -CP
R462	06S95434W41	RES, RK 47RJ 1/4 -CP
R464	06S45674W33	RES, RK 101J 1/10 -CP
R465	06S45674W33	RES, RK 101J 1/10 -CP
R466	06S15593Y55	RES, RK 182F 1/10 -CP
Connector		
CH451	09T15153Y13	FFC, FH12-13S -E7
Miscellaneous		
ANT1	01T15513W33	ASSY, ANT 1003
CB502	09T15299Y15	BTB, TMD-V15X-B1 -DB
CB801	09T55175W16	CON, 53377-1620
CH401	09T15298Y15	BTB, TMD-V15P-A1 -B
ET200	01T45494Y01	ASSY, AUX/REM 1003(AUX-1 INPUT)

Symbol No.	Part No.	Description
ET201	01T65539W04	ASSY, DIN/RCA 1003 (R-OUT/SUB. W)
ET204	01T45493Y02	ASSY, WIRE REM 1003 (REM OUT (AUX2) /REM OUT (AUX1))
ET302	01T55020Y01	ASSY, DIN 13P
LCD401	65T85233W03	LCD, WTD-20284H
LCD7001	01T25528Y01	LCD, LQ065T5GG01B
M5904	44A22059Y01	GEAR, L-MOTOR ASSY (7V-370mA/TILT MOTOR)
M5905	44A22060Y01	GEAR, T-MOTOR ASSY (7V-370mA/LOAD MOTOR)
M5906	44A22060Y01	GEAR, T-MOTOR ASSY (7V-370mA/LOAD MOTOR)

Symbol No.	Part No.	Description

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V46220Y02	ASSY, NOSE UNIT
2		13D41270Y02	NOSE, MONITOR ASSY
5		13B41294Y01	FRONT ESC, ASSY
6		13D41296Y01	NOSE, BOTTOM MONITOR
7		07C41303Y01	BKT, LCD ASSY
8		07B41308Y01	BKT, LCD SUB
9		47A41309Y01	SHAFT, MONITOR
10		04B41345P22	WASH, 2. 6X6X0. 35
11		03S44205G29	SCR, T-TITE M2. 6X6
12		15B41604Y01	COVER, FPC MECH
13		03S94385F24	SCREW, NYLOK
14		03S68555F18	SCR, WAVE
15		03S68555F55	SCR, WAVE M2X5
16		30T25132Y17	FFC, SML2CD-13X29-P. 5
17		15A41358Y01	HOLDER, FPC MAIN
18		84T45542Y01	FPC MAIN RY1003
19		14A41984Y01	INS, FPC MAIN
22		14B41359Y01	INS, CHAS BASE
24		03S20655Y02	SCR, T-TITE M2. 6X6. 5
25		03S40014G58	SCR, MCH. M2. 6X14
26		03S44205G33	SCR, T-TITE M2. 6X8
28		36A70327W01	KNOB, SLIDE
29		26B41352Y01	SHIELD, P-RADIO TOP
30		26B41596Y01	SHIELD, P-RADIO BTM
32		13C41281Y02	NOSE, PIECE ASSY
33		13D41297Y01	NOSE, BOTTOM DF
34		03S71677F56	SCR, B-TITE M1. 7X12
35		15C80989W01	CASE, LCD ASSY
36		26A80991W01	REFLECTOR, SHEET
37		75T85248W02	RUBBER, ELECTRIC
38		15B41299Y01	COVER, LCD
41		14B41776Y01	INS, LCD
42		07T35194Y01	BKT, 97-550-02-06
43		75S40755Y37	CUS, RUB 5X20XT1. 0
44		14A50025Y01	INSLATOR, COVER
45		26B50123Y01	SHIELD, MAIN
47		01T95113F12	ASSY, LUG WIRE 1003
103		07A31682Y02	BKT, GEAR ASSY
104		07B31689Y01	BKT, MTR TL ASSY
105		07A31694Y02	BKT, MTR (R) ASSY
106		07A31697Y02	BKT, MTR (L) ASSY
107		07A31899Y01	BKT, SPRING ASSY
108		45C41333Y01	SLIDE, LOAD (L)
109		45C41334Y01	SLIDE, LOAD (R)
110		15A31703Y01	COVER, CLUTCH
112		44B90541W03	GEAR, CLUTCH ASSY
114		41A31708Y01	SPRING, MONITOR
115		01T35508Y01	ASSY, FPC MECH T720
116		44A31709Y01	GEAR, KF4
117		03S94385F78	SCR, NYLOK M2X2 BLK
118		03S68259F23	SCR, P-LOCK M2X3
119		44B90541W05	GEAR, CLUTCH ASSY
120		04B41345P02	WASH, 1. 7X3. 5X0. 25
121		44A41410Y01	GEAR, LPS ASSY
122		41A31716Y01	SPGING, MTR LD
123		15A40020Y01	HOLDER, FPC MECH
124		07A40411Y01	BKT, BEVEL
125		03S94385F24	SCREW, NYLOK
202		44B31651Y01	RACK, CHAS (R)
203		44B31650Y01	RACK, CHAS (L)
204		27D31652Y01	CHAS, BASE MID
205		45A31653Y01	ARM LOCK (L), ASSY
206		45A31657Y01	ARM LOCK (R), ASSY
207		07A31896Y01	BKT, SIDE
208		43A31659Y01	ROLLER, CENTER
209		03S94385F78	SCR, NYLOK M2X2 BLK
210		04B41345P22	WASH, 2. 6X6X0. 35
211		41A31660Y01	SPRING, ARM LOCK
212		14A30575Y01	INS, COVER MID
213		03S94385F19	SCR, NYLOK M2X2. 5
305		75A40671Y02	CUS, COVER TOP A
306		75A40672Y01	CUS, COVER TOP B
307		43A41407Y01	ROLLER, SLIDE
408		44A21719Y01	GEAR, T-3
409		04B41345P14	WASH, L. , 2. 1X4X0. 25
410		14A40506Y01	INS, GEAR T3
411		14A40505Y01	INS, CHAS TURNER

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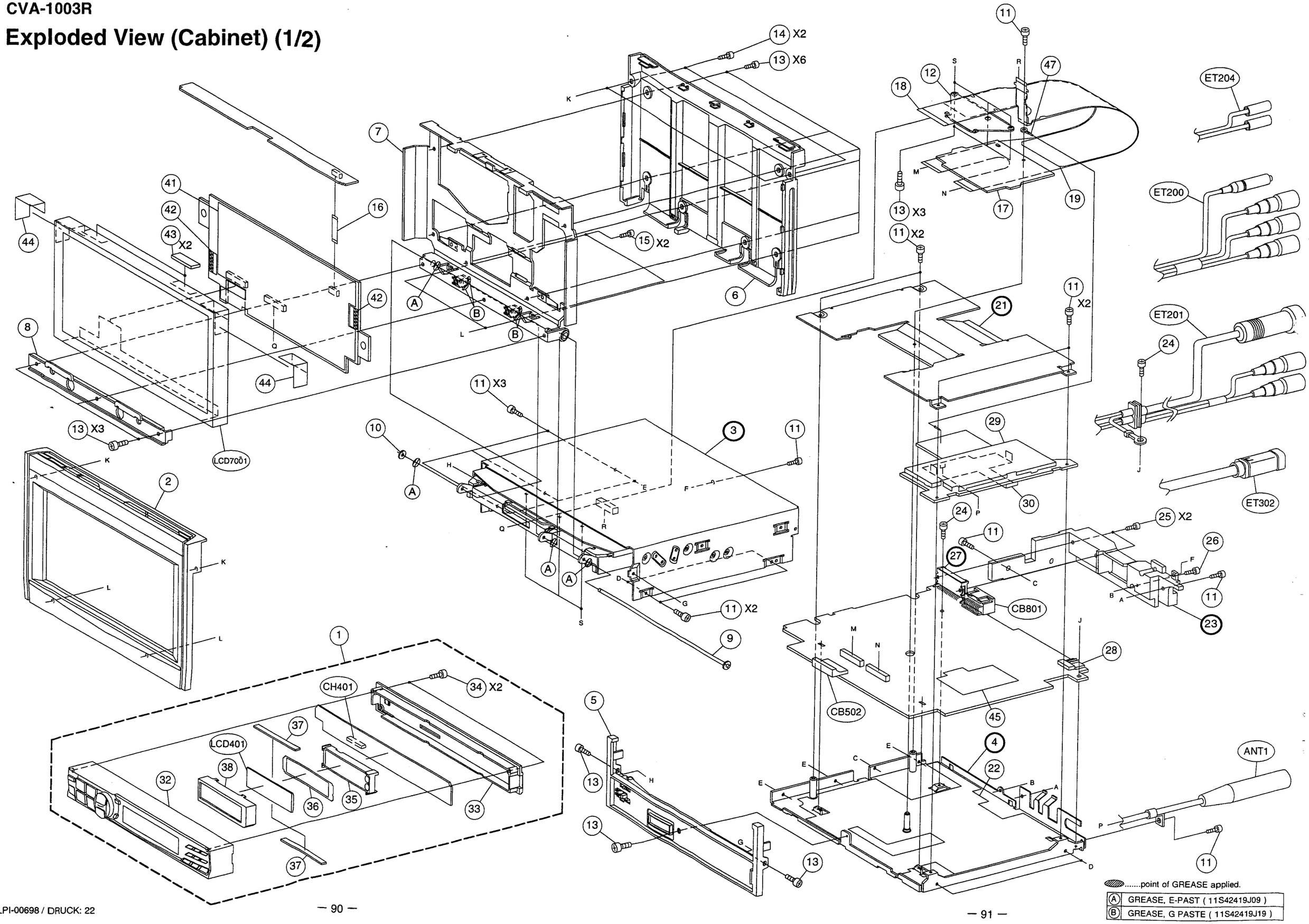
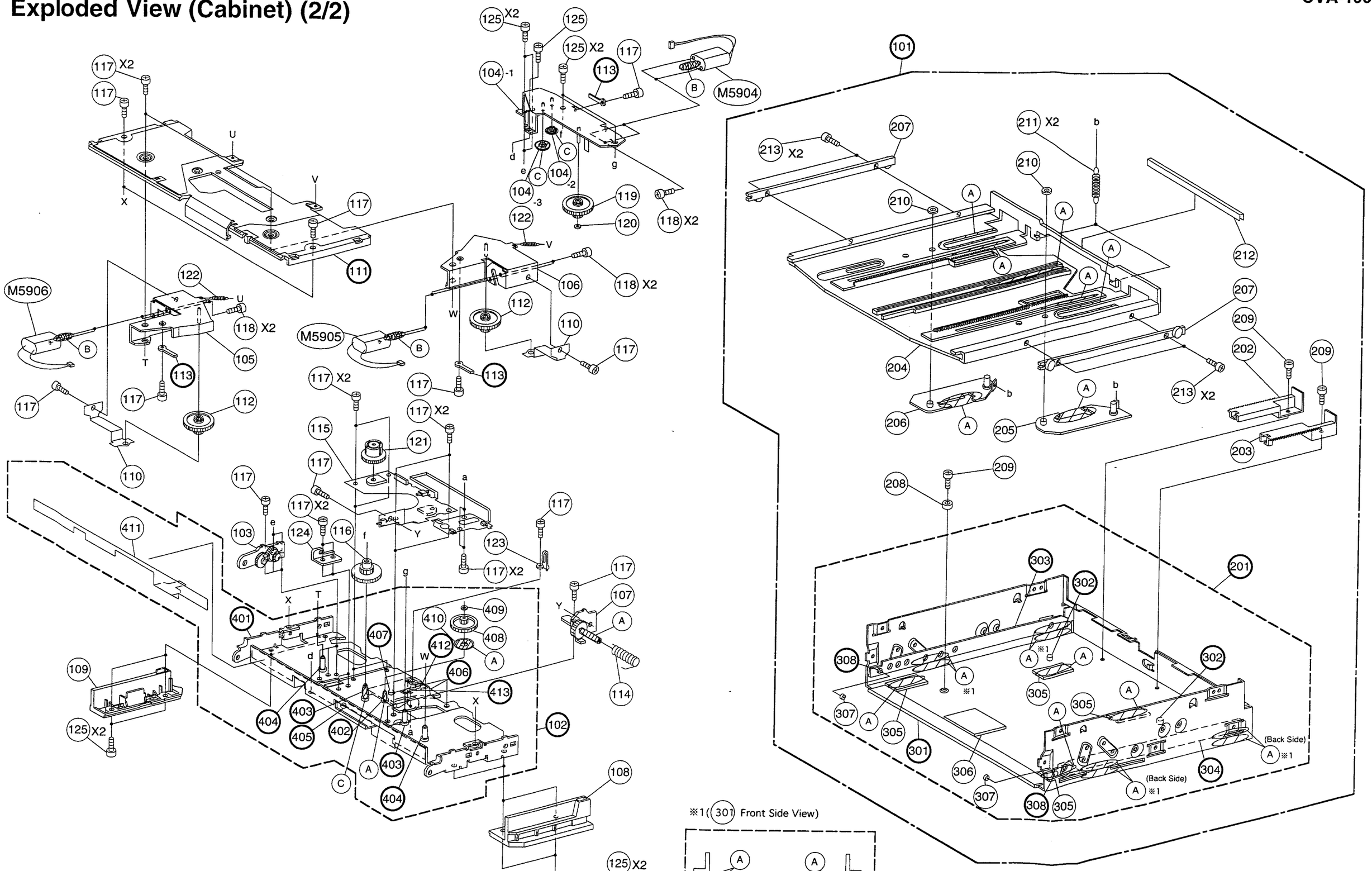
Exploded View (Cabinet) (1/2)



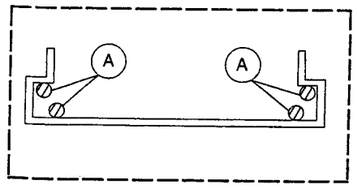
.....point of GREASE applied.

A	GREASE, E-PAST (11S42419J09)
B	GREASE, G PASTE (11S42419J19)

Exploded View (Cabinet) (2/2)



※1(301 Front Side View)



..... point of GREASE applied.

(A)	GREASE, E-PAST (11S42419J09)
(B)	GREASE SILICON (11S490487)
(C)	GREASE, G PASTE (11S42419J19)

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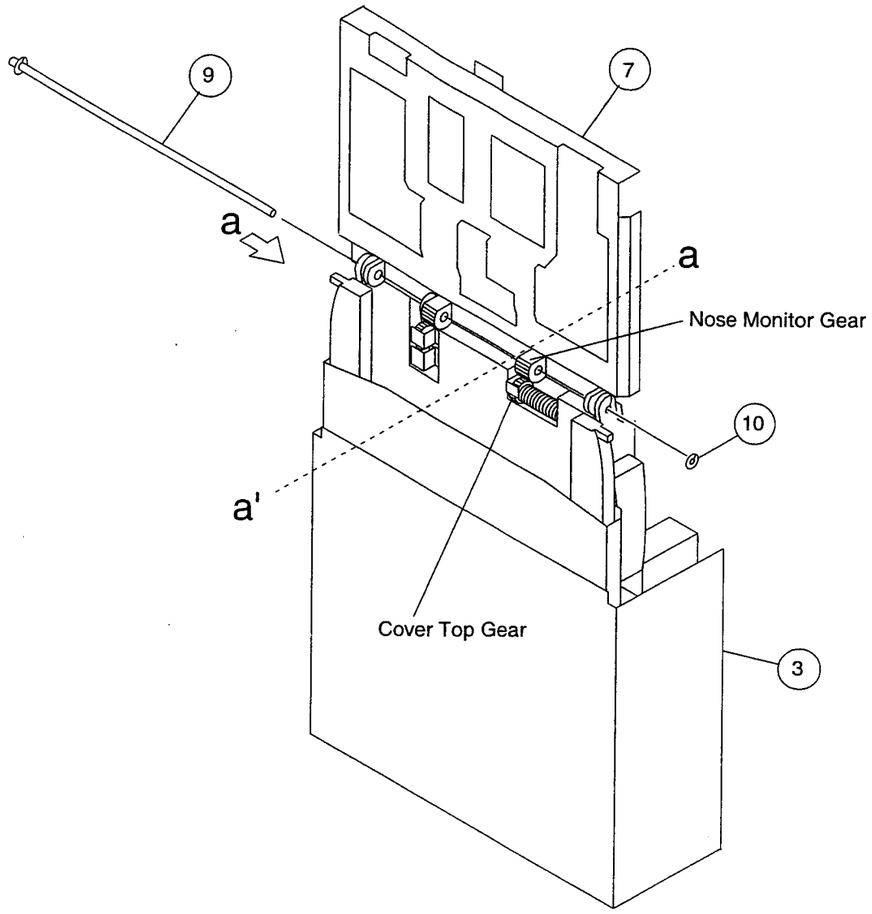
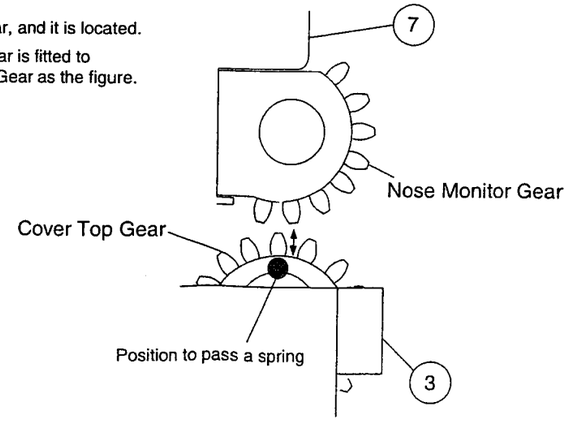
Attention in Assembling



<The figure seen from the "a" direction / a-a' Cross section / spring side>

It engages a gear, and it is located.

- Cover Top Gear is fitted to Nose Monitor Gear as the figure.



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